1986 DIAMOND DRILLING REPORT
ON THE
DOC CLAIMS PROPERTY

South Unuk River, British Columbia
Skeena Mining Division
N.T.S. 104/8W
Latitude: 56°20' North
Longitude 130°26'West

FOR

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Date:

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1.0 INTRODUCTION

Exploration and drilling on the Doc Property dates back to 1946. Several gold-bearing quartz veins were found in 1947 and 1948 and surface trenching was done on vein structures Q-17, Q-19, Q-22, Q-25 and Q-26 during that time. In 1948 and 1949, the Q-17, Q-22, and Q-25 veins were tested by core drilling.

Between August - September 1985, intensive trenching, sampling and detailed mapping were carried out on the property, mainly at Q-17 and Q-22. The most significant results of this program was the discovery of high grade semi-to-massive sulphide on the footwall side of the Q-17 vein where a grab sample of this material was taken from Trench #12 and assayed between 3.3 to 3.7 oz/ton Au, 14 to 17 oz/ton Ag, 0.1% to 1.7% Cu, and 9.95% to 10.58% Pb.

The encouraging results of the above program prompted Magna Ventures Ltd. to conduct a drilling program totalling 913.2m of B.Q. core size, under the supervision of the author. The drilling was carried out by Longyear Canada Ltd., (using a Super 38 drilling rig) between August 10 to September 8, 1986.

The objective of this program was to acquire the necessary information pertaining to the nature and control of the mineralization and, to confirm the high assay results from the 1985 surface trenching program.

1.1 Location and Access (Figure 1)

The Doc Property is located approximately 48 km in a direct line northwest of Stewart, B.C., on the east flank of the Coast Mountain Range near Gracey Creek, and on the South Fork of the Unuk River, B.C. On NTS map sheet 104/8W centered at approximately 56°20'N latitude and 130°26'W longitude.

Early access to the property was by boat and foot trail from Burroughs Bay (96 km north of Ketchikan, Alaska) up the Unuk River to its junction at the south Unuk River, then southward to the claim block. At present, the most direct access to the property is by helicopter from Stewart, B.C. (approximately 1 hour flying time in good weather conditions).

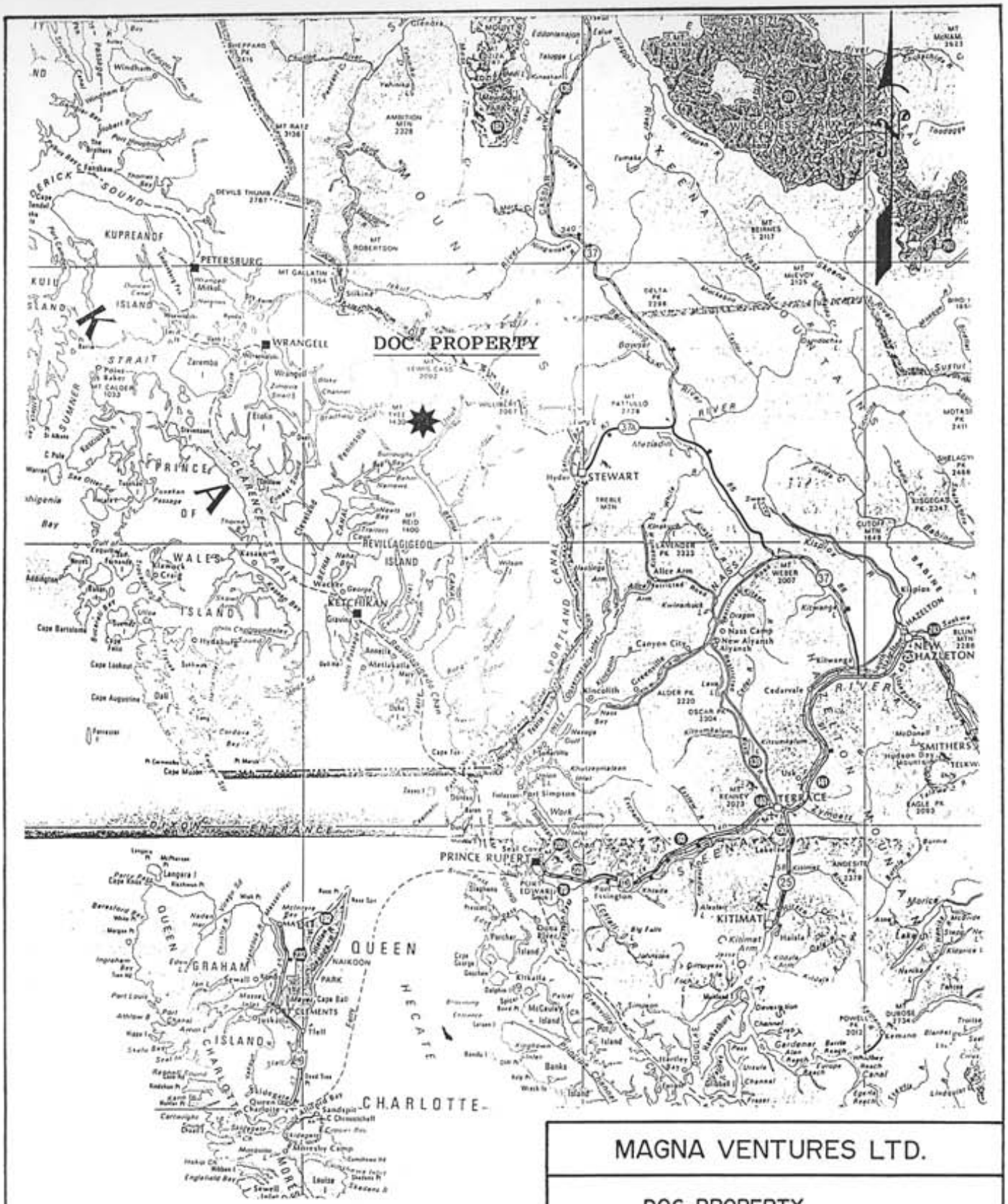
1.2 Topography (Figure 2)

The property is located in an area of moderate to steep terrain and elevations vary between 1158m to 1372m above sea level. Above 1219m, the property is generally glaciated and vegetation is sparse. The area of quartz vein structures is located above the tree line (1219m).

1.3 Property Description (Figure 3)

The Doc Claims comprise 58 mineral claim units totalling 1450 hectares (3583 acres) located within the Skeena Mining Division (N.T.S. 104/8W). Thirty-four (34) additional claim units, (Alf and Alf #2) totalling 850 hectares (2100 acres) were added to the Doc Group.

The Doc claims group is wholly-owned by T.J. McQuillan of Surrey, B.C. and Silver Princess Resources Inc. of Vancouver, B.C. Magna Ventures Ltd. has an option agreement with the latter.



MAGNA VENTURES LTD.

DOC PROPERTY
SOUTH UNUK RIVER, B.C.
SKEENA MINING DIVISION
N.T.S. MAP - 104B/8W

LOCATION MAP

SCALE:	FIG: 1
DRAWN BY: D.G.	DATE: Nov. 86

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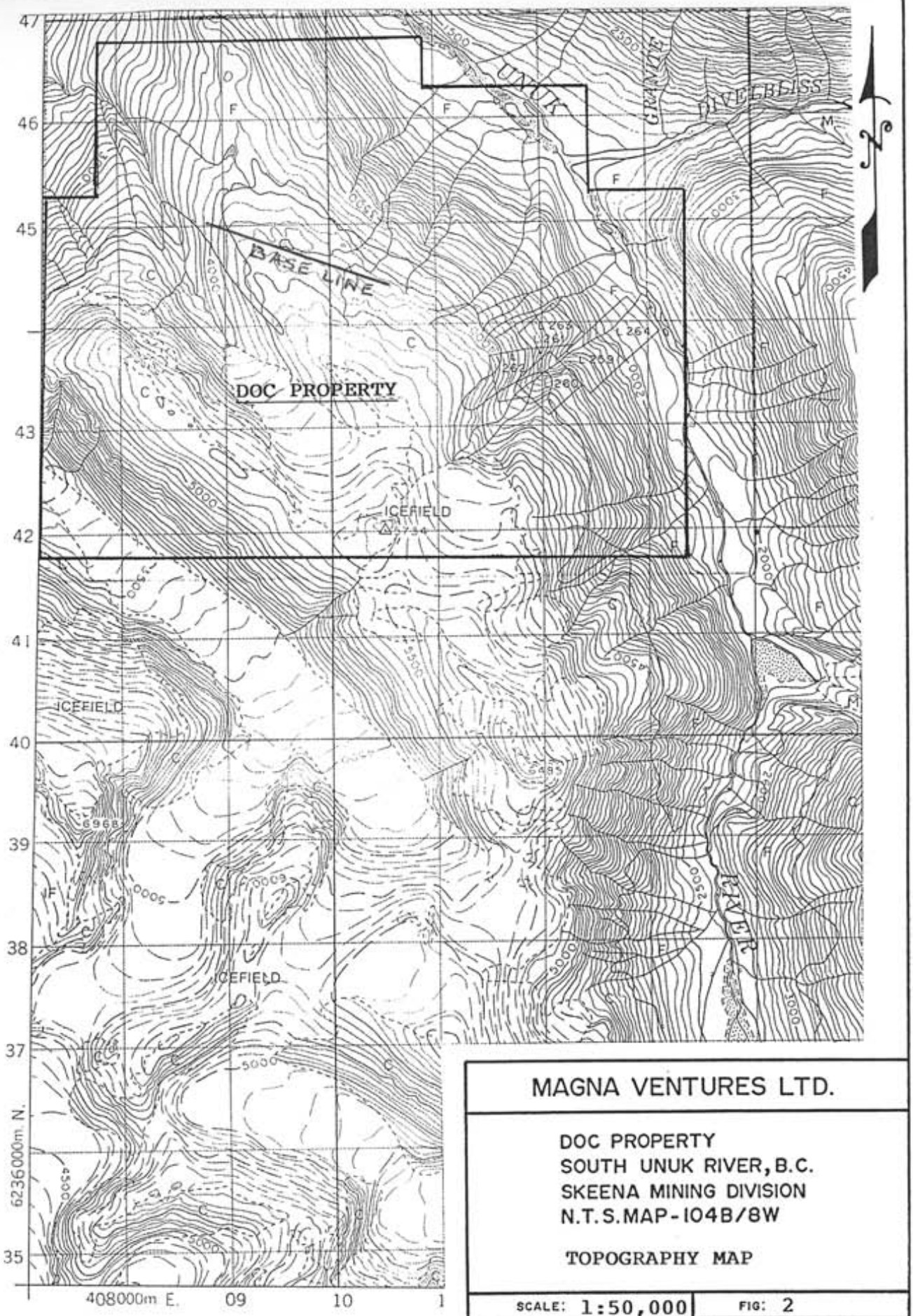

MAGNA VENTURES LTD.

DOC PROPERTY
SOUTH UNUK RIVER, B.C.
SKEENA MINING DIVISION
N.T.S. MAP - 104B/8W

TOPOGRAPHY MAP

SCALE: 1:50,000	FIG: 2
DRAWN BY: D.G.	DATE: Nov. 86

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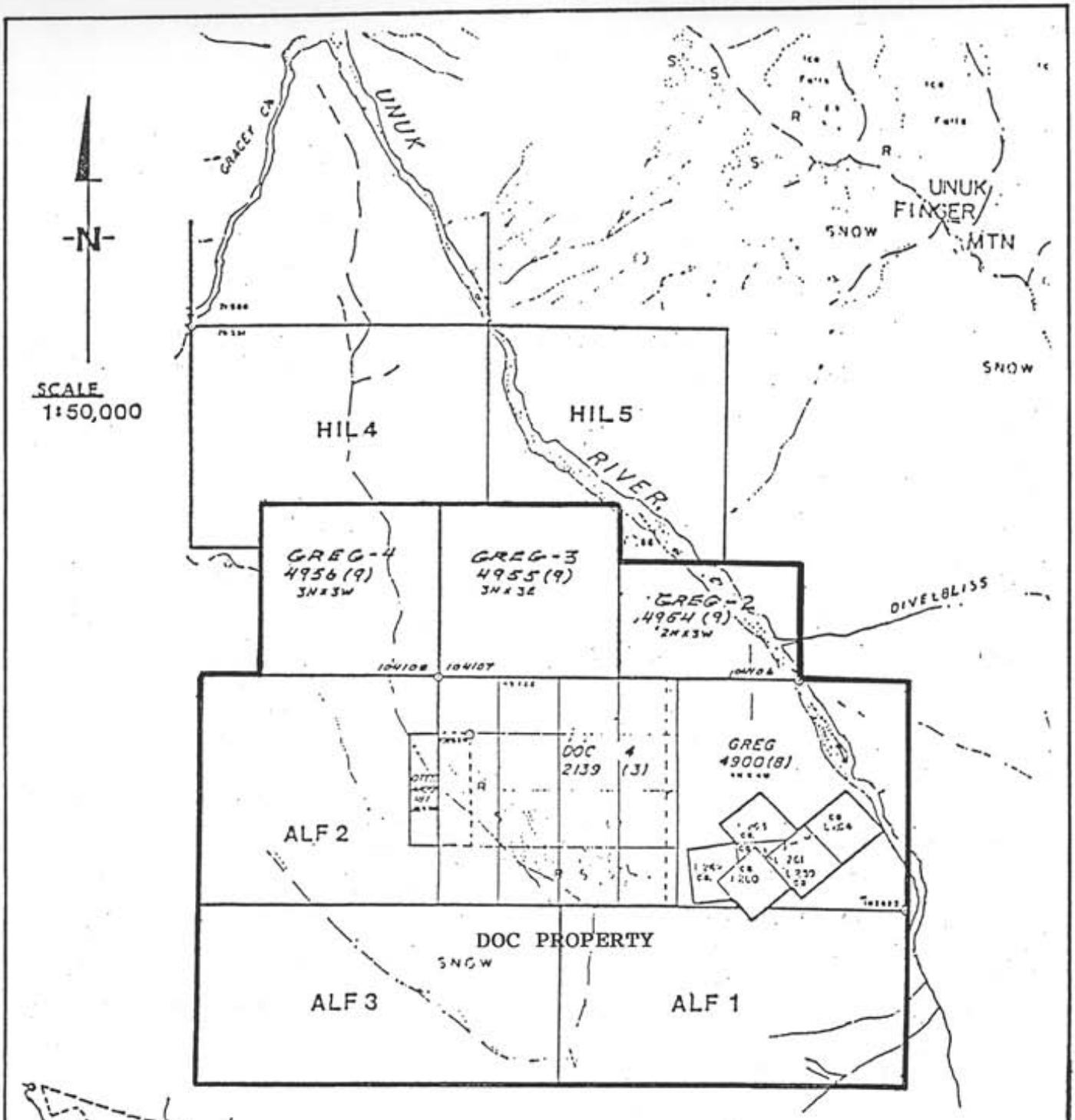

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MAGNA VENTURES LTD.	
DOC PROPERTY SOUTH UNUK RIVER, B.C. SKEENA MINING DIVISION N.T.S.MAP-104B/8W CLAIM MAP	
SCALE:	FIG: 3
DRAWN BY: D.G.	DATE: Nov. 86

The Doc property comprises the following claims:

Claims	Units	Recorded No.	Expiry Date
Doc 4	16	2139 (3)	1995
Greg	16	4900 (8)	1995
Greg 2	6	4954 (9)	1995
Greg 3	9	4955 (9)	1995
Greg 4	9	4956 (9)	1995
Q Tee	2	4899 (8)	1995
Alf	18	5367 (5)	1993
Alf 2	16	5396 (5)	1993

1.4 Mining History

Exploration and prospecting on the Doc Claim (formerly known as the old Gracey Swansea Property) dates back to 1946, when T.J. McQuillan staked the property and started exploring for quartz vein systems while working for Leith Gold Mines.

Between 1947 - 1949, Halport Mines optioned the property and carried out surface trenching and preliminary EX-core size drilling on Q-17, Q-19, Q-22 and Q-25. Twenty-nine holes, a total of 1912.8m were drilled.

From 1949 to 1974 there are no records available of any work done on the property.

In 1974, New Minex carried out a magnetic survey and channel sampling over the main quartz vein structure. Their work is recorded in BCDM Assessment Report No. 5239. In 1975, New Minex conducted an electromagnetic survey which covered most of the Doc Claim. The results of this survey are recorded in BCDM Assessment Report No. 5512.

In 1980, Dupont Exploration optioned the property and carried out a grid survey, soil sampling, mapping, and the results of their survey are recorded in BCDM Assessment Report No. 8925. In 1984 the option was terminated.

In 1985, Silver Princess Resources Inc. optioned the property, and carried out a confirmatory trenching and sampling program on the Doc 4 Mineral Claim.

2.0 GENERAL GEOLOGY (Figure 4)

The general geology of the Doc Mineral Claims has been described in the BCDM Assessment Report No. 8925 by Dupont Exploration. The essential features are the interbedded felsic and mafic volcanic rocks of upper Triassic age. The rocks trend northwest and dip northeast and southwest. They are unconformably overlain by carbonate breccia where a northwest trending synclinal structure exists in this unit.

The volcanic rocks are intruded by vertically dipping and northwest trending dykes of quartz porphyry, diabase and diorite of Tertiary age.

Several mineralized veins composed of milky-white quartz with 5% sulphide containing base and precious metals discordantly cut the volcanic rocks.

The main quartz vein structures, Q-17 and Q-22, which were the target of the 1986 drilling program, lie within the massive mafic volcanic rocks. The volcanics are described as dark green to black in color, fine-grained and commonly massive with poor schistosity.

2.1 Mineralization

Quartz vein mineralization occurs in a shear zone as indicated by gouge on both walls of the vein. No movement along this zone has occurred. The main structure, Q-17 and Q-22, occurs within massive mafic volcanic rocks in the northeast portion

of the property and in cherty thin-bedded units and diorite to the northwest. The vein structure contains 5 - 10% sulphides. In order of abundance these are galena, pyrite, specularite, chalcopyrite, sphalerite, and magnetite.

Most of the surface development has been on Q-17 and Q-25 veins. The 1985 detailed trenching and sampling prove that these vein outcrops continue for a distance of 274m, strikes 110° and dips 80° NE. The entire length of the two veins carry gold values associated with specularite and galena. The 1985 sampling program revealed that 170m of vein structure within the trench area averages 0.45 oz/ton Au, 1.74 oz/ton Ag across an average width of 2.3m (Wahl 1985).

Three different types of mineralization occur on the property (S.H. Seraphim 1948):

1. Quartz veining with specularite-gold mineralization.

2. Quartz veining with galena-pyrite-gold mineralization.

3. Quartz veining with chalcopyrite-pyrite mineralization with no precious metals.

According to Seraphim, the gold in type #1 has been deposited in disruptions between specularite cleavage plates. In type #2, gold is associated with three soft minerals, possibly Tellurides which form inclusions within galena. In both types, the vein contains minor amounts of gold in or near the fracture in the quartz. The mineralization in type #3 contains only a trace of precious metal irrespective of the amount of sulphide.

The 1986 trench examination, shows that the Q-17 vein contains an abundance of specularite. For trench description and distribution of specularite in Q-17 and Q-22 veins system, refer to Trench Survey Section **(Pages 10-20).**

3.0 TRENCH SURVEY OF THE MAIN Q-17 AND Q-22 VEINS (Figure 5)

General:

To understand the nature of the Q-17 and Q-22 quartz veins, and also to compare the results of the 1986 drilling program, **the author re-examined the trenches previously sampled by Wahl in 1985.** The following background information on the trenches listed from northwest to southeast is presented in **(Figure 5).**

The first outcrop of quartz vein exposed on the surface is located 30.4m northwest of Line 0+0 along the baseline at Trench #23.

The outcrop at this point is 4.2m wide and consists of highly limonitic milky quartz vein with scattered sulphide mineralization, mainly pyrite in the centre of the vein. At 1.4m to the north of the quartz vein is sheared material. The dip of the vein is difficult to determine, but appears to be vertical.

The vein north of Trench 23 is covered by snow and scree. A few small old trenches have been excavated around Line 3+00 NW, (possibly in the 1940's) to test the north extension of the quartz vein.

Hole 86-8, located at a distance of 44.2m, azmith 15° from Line 3+00 NW, was designed to test the northwest extension of the main zone.

Q-17 VEIN SYSTEM TRENCHES:

Trench No. 23

This is a shallow trench up to 0.3m deep in some places, and 3.8m long. The southern part of the trench from 0 to 1.4m consists of slightly fractured solid white-milky quartz and dark brown limonitic oxidized shear zone. There are

no visible sulphides. The remaining northern part of this trench consists of a shear zone with highly limonitic oxidization reddish-brown in color, and quartz vein inter-mixed with sulphide mineralization.

The strike of the vein is 110°. The assay results from 1985 sampling are 0.702 oz/ton Au, 2.58 oz/ton Ag across 3.35m. Holes 86-6 and 86-7 tested this trench at various depths.

Trench No. 22

This trench is 4.2m long, 1.6m wide, and 0.6m deep. The southern section of this trench (2.0 meters) is covered by scree. The remaining 2.2m consists of limonitic quartz vein with trace of sulphide (coarse-grained pyrite) mainly in the centre of the trench. This vein has a vertical dip. No major sulphide mineralization is obvious in this trench, except for trace occurrences. Assays by Wahl (1985) yielded 0.051 oz/ton Au, 0.227 oz/ton Ag across 1.68m.

Trench No. 19

This trench is 2.8m long, 1.5m wide and depth of 0.5m. From 0 - 1m, a section in the trench has scree, and no veins are exposed.

From 1.0 to 2.8m, **(where Samples No. 2 and 3 were taken by H. Wahl)** there is a highly oxidized limonitic (dark-red to brown in color) shear zone and white quartz vein. No sulphides were obvious in this trench.

At the north-end of the trench near Sample No. 3, highly oxidized shear material. The 1985 assay results were 0.775 oz/ton Au, 0.34 oz/ton Ag across 2.44m.

Trench No. 18

This trench is 3.0m long, average width 1.2m, depth 0.3m, and represents an overburden (scree). No quartz vein is exposed. Two samples were taken by H. Wahl - one from 1.8m and the other from 1.8 to 3.0m, and assayed 0.143 oz/ton Au, 0.34 oz/ton Ag across 1.83m.

The footwall of the vein at the beginning of the southend of the trench fractured shear material and andesitic rock.

A small trench is situated between **Trench No. 2** and **Trench No. 18,** and is 2.4m long, 1.0m wide, depth 0.2m. This trench represents an overburden (scree).

Trench No. 2

This trench is 3.0m long, 2.4m wide, with a depth average of 0.5m. The quartz vein is exposed mainly in the middle of this trench, a distance of 1.0m to 1.7m from the south end. **H. Wahl (1985) took Samples No. 3 and 4 from this zone** comprising highly oxidized limonitic quartz vein with some sulphides (up to 15%), mainly fine to medium grained pyrite, occurring within the shear-limonitic quartz vein. The samples assayed 0.133 oz/ton Au, 0.432 oz/ton Ag across 1.17m.

A solid quartz vein is exposed on surface between Trench #2 and Trench #1. The width of the vein is 1.2m. The strike of the vein is similar to Trench No. 1, and dips at this trench 88° to the north.

The vein consists of highly oxidized-limonitic white to reddish-brown quartz with streaks of specularite in various places. This is the first observation of specularite in the vein. The specularite exists in either gluts in certain areas, mainly the coarse-grained quartz, or in stringer-types as well as smears

along the joints or fractures within the quartz vein.

Trench No. 1

This trench is 2.8m long, average width 1.2m, and depth average 0.8m. From 0 south to 0.7m south, **(Wahl 1985, Sample No. 1)** the trench consists of overburden and the highly fractured limonitic zone.

From 0.7m to 2.0m, **(Wahl 1985, Sample No. 2)** the trench consists of a steeply dipping (82°N) quartz vein, highly limonitic with some specularite and a little sulphide occurring mainly along the contact zone from 2.0m to 2.8m. The sample assayed 0.228 oz/ton Au, 0.79 oz/ton Ag across 1.88m.

After checking the above trenches, quartz vein, and mineralization, it is believed that most of the sulphide occurs along the contact zone between the shear zone on both sides of the vein structure. This was noted by Dr. Kidd during his 1948 - 1949 drilling program when he mentioned the recovery of the core from the shear zone on both sides of the vein was very poor.

Trench No. 3

This trench is 2.4m long, width 1.5m, no depth. The quartz vein is exposed in this trench. The first 1.5m from the southend of the trench is highly oxidized and limonitic. Some specularite occurs at the southeast end of the trench. No major indication of pyrite mineralization. The 1985 assay results from this trench are 0.094 oz/ton Au, 0.632 oz/ton Ag across 2.31m.

Between Trench No. 3 and Trench No. 12:

A quartz vein 1.7m wide is clearly exposed on the surface for a distance of 9.6m **between Trench No. 3 and Trench No. 12.**

This vein consists of oxidized dark-brown to milky white quartz vein with streaks or stringer of specularite throughout. A trace of sulphide was observed and the quartz vein has a very sharp contact with the footwall and hangwall. The specularite increases in both sides of the contact, mainly on the footwall side. The vein dips between 78° - 80° north.

Trench No. 12

This trench is 2.0m long, no width, and consists mainly of highly oxidized quartz vein with massive sulphide, principally pyrite (fine to coarse-grained), and mainly on the footwall as reported by Wahl. No other sulphides are obvious. The quartz vein is 1.0m wide at this point with some sulphides on the hanging wall side.

Wahl 1985 assay results are 1.55 oz/ton Au, 4.81 oz/ton Ag across 1.83m. Holes 86-4, 86-5 were designed to intersect this zone at depth, but failed to intersect any gold values.

Between Trench No. 12 and Trench No. 20

A quartz vein 2.1m wide is exposed on surface, and is the same vein described in Trench No. 12.

Trench No. 20

This trench consists of quartz vein, highly limonitic oxidized with shear zones on both sides, (footwall and hangwall) with specularite (stringer and smear) mainly in the middle of the vein. Assay results from the 1985 program are 0.415 oz/ton Au, 0.81 oz/ton Ag across 2.74m.

Baseline 1+50 SE

At Baseline 1+50 SE, **the quartz vein exposure on surface ends.** Here the quartz is exposed in an old creek bed that could possibly be a fault zone representing the structural break between the Q-17 and Q-22 veins. The azmith of the creek is 27°.

Trench No. 13

This trench located at 4.4m north of Baseline 3+00 SE, is 3.6m long, 1.4m wide with a depth average of 0.8m.

From 0 to 0.8m, the trench consists of shear limonitic andesite. From 0.8 to 1.8m, the trench consists of a vertically dipping quartz vein, highly limonitic with clay alteration, some traces of specularite. There is no pyrite. A few stringers of vein are exposed throughout the remainder of this trench, mainly at 2.1m and at 3.0m. The 1985 assay results are 0.356 oz/ton Au, 2.01 oz/ton Ag across 3.66m.

Trench No. 14

This trench is located at at 4.1m southeast of Baseline 3+00 SE, and is 5.0m long, 1.4m wide, and 0.7m deep.

A small section of quartz vein is exposed in this trench between 1.8m to 2.0m in the trench.

From 0 to 1.8m, the trench is a highly shear limonitic zone and from 2.0m to 5.0m slightly sheared zone. The 1985 assay results from this trench run 1.033 oz/ton Au, 7.0 oz/ton Ag over 3.2m. Hole 86-1 was drilled to test this zone at depth, but failed to intersect any good gold values.

Trench No. 15

This trench is located 13.8m from Baseline 3+00 SE, and is 5.6m long, 1.0m wide and 0.5m deep.

In the trench, from 0 to 1.0m is a shear zone; from 1.9 to 1.8m is a quartz vein. The remainder of the trench is overburden, and no mineralization occurs. The 1985 assay results are 0.077 oz/ton Au, 0.753 oz/ton Ag across 1.83m.

An old trench 19.7m southeast from Baseline 3+00 S.E. is covered by overburden. There are no visible signs of mineralization. This trench is 4.4m long, 2.1m wide, and 0.6m deep. **This is the last trench to the southeast extension of the Q-17 vein.**

Q-22 VEIN SYSTEM TRENCHES

Trench No. 4

This trench is 2.9m long, 0.9m wide, and 0.9m deep, and **is the first trench on the Q-22 vein system.** From 0 to 0.7m, the overburden represents a shear zone and hangwall of the vein structure. From 0.7m to 2.9m, is a quartz vein. The first part of the vein, from 0.7m to 1.9m, is brown to dark-brown limonitically oxidized. The remainder is white quartz vein.

There are no visible signs of sulphide mineralization. Most of the vein is coarse quartz. The strike of the vein appears to be 100°, and the dip 84° north.

Hole No. 86-2 and 86-3 were drilled to test the mineralization of Trench No. 4, which assayed 0.267 oz/ton Au, 1.06 oz/ton Ag across 2.37m. Hole No. 86-3 intersected encouraging gold mineralization.

Trench No. 7

Trench No. 7 is 5.2m long, 1.2m wide, and 0.3m deep, and is located below Trenches 4 and 5. It has been excavated in the hangingwall of the vein in a shear zone. No quartz vein is exposed. The 1985 assay results are 0.112 oz/ton Au, 0.33 oz/ton Ag.

Trench No. 5

This trench is 3.6m long, 1.4m wide, and 1.0m deep. From 0 to 0.9m is a shear material and from 0.9m to 3.6m is a quartz vein with limonitic and oxidized material. No visible signs of pyrite. The 1985 assay results are 0.317 oz/ton Au, 0.59 oz/ton Ag across 2.82m.

Trench No. 10

This trench is 3.7m long, 1.2m wide, and 0.6m deep. From 0 to 1.2m is overburden shear zone, and from 1.2m to 2.8m quartz vein. The remainder of the trench is overburden similar to Trench No. 7. The 1985 assay results from this trench are 0.368 oz/ton Au, 1.76 oz/ton Ag across 2.74m.

Trench No. 11

This trench is 3.1m long, 1.8m wide, and 0.6m deep. From 0 to 1.1m is overburden, and from 1.1m to 2.9m is quartz vein material. The remainder of the trench is overburden. The 1985 assay results are 0.302 oz/ton, 1.18 oz/ton Ag across 2.13m.

A small granitic dyke is exposed near the vein on an azmith of 223° from the Baseline 0+75 SE near Trench No. 20. The width of the dyke at this point is 0.4m. The remainder of the dyke to the northwest is covered by scree.

The dyke strikes 222° and dips 82° to the northwest and intersected at Hole 86-5.

Trench No. 16

This trench is 2.9m long, 1.6m wide on the side of the slope. From 0 to 1.2m it is sheared oxidized andesitic rock. The 1985 assay results are 0.211 oz/ton Au, 0.81 oz/ton Ag across 1.22m.

The creek bed (fault zone) is 6.5m S.E. of Trench No. 16.

Four (4) trenches between Line 5+00 SE and Line 6+00 SE have been excavated a little higher than the vein is supposed to be, and are covered by overburden. They show no sign of quartz vein, except in one trench where it shows quartz vein material in the dump.

These 4 trenches are 0.6 meters deep.

Trench No. 6

Trench No. 6 is located near Baseline 8+00 S.E., and is 5.3m long, 1.5m wide, and 0.7m deep. From 0 to 1.0m is overburden, and from 1.0m to 4.4m quartz vein, slightly oxidized with no distinct sulphide mineralization. Small clusters of pyrite, specularite, trace of greyish mineral (galena) are found in some of the pieces in the muck pile.

The sulphide mineralization seems to concentrate along the contact zone, not the middle of the quartz vein on the property. **Here the quartz vein exhibits the thickest width (3.4m) on the property.** The 1985 assay results from this trench are 0.145 oz/ton Au, 0.724 oz/ton Ag across 3.96m. Holes 86-9, 86-10 were drilled to intersect this zone.

Trench No. 9

Trench No. 9 is about 4.7m long, with an average width of 1.6m. The quartz vein is exposed in the trench from 1.4m to 3.8m. No assay results have been recorded.

The material resembles the quartz vein in Trench No. 6, with sulphide mineralization found in this trench, mainly along the hanging wall contact.

This concludes the general description of the trenches on Q-17 and Q-22 veins. **The author did not take any samples from the trenches during the 1986 drilling program.**

4.0 DRILLING

4.1 General

The previous exploration work outlined and confirmed the presence of gold-silver mineralization within the Q-17 and Q-22 quartz vein system. Several hand trenches were drilled and blasted along the above vein systems over a distance of 274m.

In 1986, a diamond drilling program was conducted on the DOC property, Q-17, and Q-22 vein systems. This program was designed as the Phase I drilling program to evaluate the type of mineralization along the strike and down-dip. Ten (10) holes were drilled for the total footage of 913.2m (2996 feet) of BQ core size. A summary of the 1986 drill holes, co-ordinates the mineralized zone, and assay results are shown on **Table 1 (Page 22-23).**

The drilling was undertaken by Longyear Canada Ltd. of Vancouver, British Columbia using Longyear Model Super-38 drilling rig. The program commenced on August 5, 1986 with mobilization of the crew and drilling equipment, and was completed on September 10, 1986.

Five drill sites were located on the Q-17 and Q-22 vein systems. The area drilled has an elevation ranging between 1237 to 1244m. **(Plates No. 1 and No. 2)**

All the core from the drilling was examined in the field. All the mineralization was split, with samples sent to Acme Analytical Labs and Chemex Labs in Vancouver, for assaying. The drill core was sorted on the property. The results are recorded on the Laboratory assay sheet, and drill log sheets in Appendix "A-2", "A-3".

In spite of known facts of poor core recovery during previous drilling in 1948 - 1949, BQ core size was used and the recovery of the core varies between 91% - 98% from one hole to the other. In general, all the drill holes have problems with recovery when the vein structure is intersected, especially the footwall and

TABLE #1

GEWARGIS GEOLOGICAL CONSULTING INC.

SURFACE DIAMOND DRILLING PROGRAM

PROPERTY

DDH#	TOTAL FOOTAGE DRILLED	DIP	AZ.	COLLAR COORDINATES			MINERALIZED ZONE					REMARKS
				NORTH	EAST	ELEV.	FROM	TO	FOOTAGE	Au oz./t	Ag oz./t	
86-1	108.2m	-50°	220°	Az 198° BL4+00SE	dist.38.5m 050NE	1225m						
86-2	68.6m	-50°	202°	Az 204° BL4+00SE	dist.39.5m 050NE	1225m	46.4m	50.0m	3.6m	0.002	0.08	sh.zone, lim, trace of py.
86-2	68.6m	-50°	202°	Az 204° BL4+00SE	dist.38.5m 050NE	1225m	56.2m	57.1m	0.9m	0.001	0.02	qtz,py,Pes, pbs,trace cpy.
86-3	108.2m	-75°	202°	Az 204° BL4+00SE	dist.39.5m 0+50NE	1225m	89.7m	94.0m	4.3m	0.069	0.33	oxd,lim,qtz,py trace pbs.
86-3	108.2m	-75°	202°	Az 204°	dist.39.5m	1225m	OR 91.4m	93.0m	1.6m	0.156	0.81	oxd,lim,qtz,py trace pbs.
86-4	71.0m	-60°	210°	Az 34° BL0+75SE	dist.35.9m	1231m	62.9m	66.1m	3.2m	0.023	0.145	qtz,py.
86-5	187.8m	-80°	210°	Az 34° BL0+75SE	dist.36.6m	1231m	82.0m	83.2m	1.2m	0.036	0.14	white qtz, py.
86-5	187.8m	-80°	210°	Az 34° BL0+75SE	dist.36.6m	1231m	181.7m	183.8	2.1m	0.024	0.067	qtz,lim,py.
86-6	74.1m	-60°	215°	Az 20° TR#23	dist.21.3m	1234m	65.6m	68.1m	2.5m	1.473	5.54	qtz,ms,py, specularite
86-7	138.7m	-75°	215°	Az 20° TR#23	dist.21.9m	1234m	130.2m	133.6m	3.4m	0.363	1.17	milky-white qtz,ms,py.
86-7	138.7m	-75°	215°	Az 20° TR#23	dist.21.9m	1234m	137.2m	137.8m	0.6m	0.656	2.13	qtz,py.

TABLE #1

GEWARGIS GEOLOGICAL CONSULTING INC.

SURFACE DIAMOND DRILLING PROGRAM

PROPERTY.

DDH#	TOTAL FOOTAGE DRILLED	DIP	AZ.	COLLAR COORDINATES			MINERALIZED ZONE					REMARKS
				NORTH	EAST	ELEV.	FROM	TO	FOOTAGE	Au oz./t	Ag oz./t	
86-8	72.8m	-45°	194°	Az 14° BL3+00NW	dist.43.5m	1237m	59.0m	61.0m	2.0m	0.313	1.17	qtz,py,oxd, lim.
86-8	72.8m	-45°	194°	Az 14° BL4+00SE	dist.43.5m 050NE	1237m	OR 60.0m	60.6m	0.6m	0.988	3.18	qtz,py,oxd, lim.
86-9	49.4m	-60°	265°	Az 70° BL8+00SE	dist.21m	1228m	35.8m	36.4m	0.6m	0.574	1.03	qtz,py, specularite
86-9	49.4m	-60°	265°	Az 70° BL8+00SE	dist.21m	1228m	43.5m	43.8m	0.3m	0.270	0.61	qtz,ms,py, oxd,alt.
86-9	49.4m	-60°	265°	Az 70° BL8+00SE	dist.21m	1228m	45.7m	47.2m	1.5m	0.598	0.78	qtz,ms, py, oxd, alt.
86-10	34.4m	-45°	265°	Az 70° BL8+00SE	dist.20m	1228m	25.6m	30.9m	5.3m	0.459	2.17	gn,sh.zone,trace py, oxd,lim
TOTAL	913.2m											

hangwall shear zone which consists of highly limonitic-oxidized material, dark brown in color, with high gold values.

In spite of all the attempts by the drilling crew, using mud additives to help get the circulation back, no sludge could be collected when the vein structure was intersected.

In future drilling, an alternative method should be used to get the circulation back and get the drill sludge. This would be achieved by drilling large size core such as NQ, and then reducing to BQ when circulation is lost or cement the hole to block the various shear zones before intersecting the vein structure.

These drilling techniques will improve recovery and possibly regain the circulation. The cost of using these techniques would be very expensive and time-consuming.

During the 1986 drilling program, sludge samples were collected from Hole 86-10. Samples were collected between 25.6 - 30m, and the assay results were 0.635 oz/ton Au, 1.85 oz/ton Ag. The core assay results for the same interval shows lower gold, and higher silver values assaying 0.408 oz/ton Au, 2.53 oz/ton Ag. It is premature to make any comparison regarding the above sampling techniques and their effects on the gold mineralization until more sludge samples have been collected.

4.2 DESCRIPTION OF DRILL HOLES 86-1 TO 86-10

Diamond Drill Hole 86-1

This hole was drilled to intersect a 0.2m wide quartz vein exposed in Trench No. 14 which assayed **1.033 oz/ton gold, 7.0 oz/ton silver across 3.2m** and was drilled at -50° dip to a depth of 108.2m. It did not intersect a defined quartz vein since it was drilled through a shear zone which could be the offset of both **Q-17 and Q-22.** Core recovery was 71.6% within the shear zone and averaged 91% for the entire hole. The poor core recovery may have contributed to the poor assay results.

After reviewing both trench and 1985 assay results, it was found that the gold values were exceptionally high at **2.19 oz/ton gold and 14.87 oz/ton silver** across a shear zone 1.4m wide with minor quartz.

Two mineralized sections have been intersected in this hole; **the first section** from 34.1 to 34.4m, which represents an oxidized zone with quartz veinlets and hematite, assaying 0.001 oz/ton Au, and 0.03 oz/ton Ag.

The **second section** from 62.5 to 63.7m represents a reddish alteration material and assayed 0.001 oz/ton Au, and 0.02 oz/ton Ag.

Diamond Drill Hole 86-2

This hole was drilled to a depth of 68.6m, at -50° dip, to intersect the surface mineralization exposed in Trench No. 4 which assayed **0.267 oz/ton Au, 1.06 oz/ton Ag across 2.82m.** No significant gold values were obtained from drilling this hole, but several mineralized sections were intersected. These sections are as follows:

- From 35.3 - 36.7m: quartz vein within a fractured andesitic rock with gouge and limonite, assaying 0.001 oz/ton Au, 0.03 oz/ton Ag.

- From 46.4 - 50m: shear zone, light brown with limonite, gouge, clay and trace of pyrite. Assay results of this section vary between 0.001 to 0.006 oz/ton Au, 0.04 to 0.05 oz/ton Ag.

- From 56.2 - 57.1m: quartz vein, slightly fractured with disseminated pyrite, galena, and trace of chalcopyrite. Assay results are 0.001 oz/ton Au, 0.02 oz/ton Ag.

The core recovery from this hole was 91%; and 76.5% was very poor mainly in the shear zone between 26.8 to 75m.

Diamond Drill Hole 86-3

This hole was drilled to a depth of 108.2m, at -75° dip, and intersected the mineralized zone between 89.7 - 94m. This zone consists mainly of oxidized dark brown material with less than 2% vein quartz at certain sections, primarily between 92.7 to 93.0m, where a bright yellow pyrite stringer occurs with some specks of galena. This zone is highly sheared and fractured with broken core and gouge throughout the interval of 92.0 to 92.6m.

The above zone (89.7m - 94m) assayed 0.069 oz/ton Au, 0.33 oz/ton Ag across 4.3m. Within this zone there are a few interesting gold values mainly from 91.4 to 92m which assayed 0.106 oz/ton Au, 0.55 oz/ton Ag, and from 92.5 to 93m assayed 0.344 oz/ton Au, 1.88 oz/ton Ag.

Both the footwall and hangwall of the above intersected zone are altered with specks of pyrite. Mineralization occurs only in the altered zones and not in zones of good core recovery.

Other quartz veins intersected in this hole, but with no gold values, are as follows.

- At 63 - 63.15m: quartz vein with limonite, pyrite, hematite, slightly fractured and assayed 0.001 oz/ton Au, 0.01 oz/ton Ag.
- At 67 - 73.8m: silicified andesite, 20 - 50% quartz veining with epidote, assayed 0.001 oz/ton Au and 0.001 oz/ton Ag.
- Others were intersected from 84.6 - 85m, 95-95.5m and 96.3 - 97.2m: quartz veins with no Au or Ag mineralization.

The core recovery from this hole was very good up to 96.6%. Holes 86-1, 86-2 and

86-3 were drilled from the first location on Line 4+00 SE.

Diamond Drill Hole No. 86-4

This hole was drilled to test the massive sulphide mineralization exposed in Trench No. 12. It was drilled at -60° dip to a depth of 71m, and intersected a quartz vein zone between 63.4 to 66.1m, that represents the vein exposed in Trench No. 12, although with less sulphide mineralization. The 1986 assays are 0.027 oz/ton Au, 0.15 oz/ton Ag.

At the beginning of the quartz vein are specks of coarse grained pyrite. From 63.4m to 65.1m is light grey to brown oxidized milky quartz vein with broken core and gouge mainly at 63.9m with sections of good sulphide mineralization up to 5% pyrite, mainly from 64.2m to 64.8m. From 65.1m to 66.0m is a light brown white milky quartz vein with a trace of pyrite. The footwall of the vein is a dark green andesite.

The hangwall of the vein again is dark green andesite with a section slightly altered, (oxidized) and broken core between 62.5 and 63.4m. The remainder of the hangwall is solid core.

The core recovery from this hole is 98.4%.

Diamond Drill Hole No. 86-5

Drill Hole 86-5 was drilled below 86-4 at -80° dip to test the down-dip extension of the quartz vein in Trench No. 12

From 82 - 83.2m, a fault zone with white quartz vein, gouge and specks of pyrite was intersected.

This hole intersected several small quartz veins and a mineralized section between

181.7 to 182.8m, within highly altered dark brown andesite, and a small section of white quartz vein. It failed to intersect mineralization similar to Trench No. 12, but did intersect a small granitic dyke rock from 160.5 -163.1m.

The core recovery from this hole is 94.9%.

Diamond Drill Hole No. 86-6

This hole was drilled to a depth of 74.1m, at -60°, and was designed to test the quartz vein exposed in **Trench No. 23**, located at Baseline 0+75 NW. This vein was intersected at a depth from 65.5 to 68.7m, and consists of highly altered sections on both sides of the white quartz vein. Assay results from this vein run 1.235 oz/ton Au, 4.65 oz/ton Ag across 2.5m. The description of the zone is as follows:

- From 65.5 to 66.0m: massive oxidization zone with up to 10% sulphides.
- From 66.0 to 67.0m: light to dark brown altered material with 5% to 10% quartz, highly broken core with gouge at 66.3m.
- From 67.0 to 68.2m: quartz vein with dark brown alteration, stringer of pyrite and specularite along the fracture zone, broken core with gouge at 67.6m (less than 2% pyrite).
- From 68.2 to 68.7m: highly altered shear zone that is the footwall of the vein; gouge throughout the section; broken core with a trace of pyrite. Both the hangwall and footwall of this zone is poorly defined and consists of broken core mainly from 62.4 to 64.9m and gouge from 69.1m to 69.3m.

The core recovery of 86-6 was 92.8%.

Diamond Drill Hole No. 86-7

Hole 86-7 was drilled from the same location as 86-6, at -75° dip, to depth 138.7m, to test the down-dip extension of the mineralized zone at **Trench No. 23**, and **Hole 86-6.** It intersected the mineralized quartz vein zone between 128.3 to 133.6m, where it comprises white-milky quartz with a slightly oxidized section (mainly at 131.7m to 132.0m).

This vein has massive sulphides in sections (pyrite and some trace chalcopyrite) from 130.4m to 130.6m, 131.4m to 131.9m, and from 132.5m to 133.4m. The sulphide mineralization within the above zone varies between 5 to 20%. The assay results for this mineralized zone, mainly from 128.3 to 133.6m, is 0.251 oz/ton Au, 0.81 oz/ton Ag and from 130.2 to 133.6m is 0.363 oz/ton Au, 1.17 oz/ton Ag.

At 131.3m, dark green stained mineralization within this vein structure. The hangwall of this zone from 128.0 to 130.4m is a moderate to highly altered zone, oxidized with scattered pyrite veinlets. There is good core recovery.

The footwall of the vein is dark green andesite with good solid core recovery between 138.0 to 138.7m, where a major fault zone associated with gouge occurs.

From 137.2 to 138.7m: silicified andesite with 2% - 5% scattered disseminated fine pyrite material.

The core recovery for Hole 86-7 was 95.8%.

Diamond Drill Hole No. 86-8

This hole was drilled from the most northerly part if the vein at Line 3+00 NW, to the depth of 72.8m, at -45° dip. A major fault structure occurs at 54 to 63.1m where the quartz occurs.

From 53.0 to 59.4m: broken core ranging from a few millimeters to a few centimeters in size, with missing core between 57.8 to 59m, up to 0.8m.

The mineralized vein structure in this hole was intersected between 59 to 61m and consists of white to milky quartz vein with scattered pyrite, light brown - oxidized section slightly fractured. Assay results are 0.313 oz/ton Au, 1.026 oz/ton Ag across 2m and 0.998 oz/ton Au, 3.18 oz/ton Ag across 0.6m.

From 59 to 59.5m: hangingwall dark brown oxidized quartz vein with a trace of sulphides. Foliation at 35° to core axis, broken core with gouge at 59.5m.

From 59.5 to 60.2m: white quartz vein, slightly fractured with 3% dark brown oxidization mainly along the fractures, a trace of pyrite mineralization.

From 60.2 to 60.7m: highly oxidized quartz vein with alteration zone and a section of massive pyrite, broken core.

From 60.7 to 62.2: footwall of the vein with scattered quartz veinlets and a section of slightly oxidized quartz vein, pyrite mainly from 61.7 to 60.2m.

The vein structure in this hole is located along the contact between the chert and the andesitic rocks.

Diamond Drill Hole No. 86-9

This hole was drilled to test the quartz vein exposed in Trench No. 6; the furthest trench southeast along the baseline. The 1985 assay results are 0.145 oz/ton Au, 0.724 oz/ton Ag across 3.96m. The hole was drilled to a depth of 49.4m, at -60°, and intersected a fault zone between 23.8 to 34.6m comprising light grey to light green highly oxidized material. Most of the oxidization occurs at 29.7 to 34.6m, with scattered narrow quartz veinlets throughout this section.

A section of good core containing specks of sulphide occurs between 25.9 to 29.3m within the above fault zone. This zone could represent a surface fault which dips approximately 65° to the southeast.

The mineralized quartz vein zone was intersected from 34.5 to 46.7m (Plate No. 3). The vein consists of white-milky quartz with a slightly limonitic section and trace of pyrite. The limonite sections are within the main structures. They occur at 34.7 to 35.2m, 36 to 36.6m, 38.1 through 41.1m, 41.5 to 41.7m, 43.4 to 43.6m, and a section between 45.1 to 46.8m. Sections of broken core mainly between 43.6 to 45.4m where caving occurs at 44.2m.

From 46.8 to 47.2m it is highly oxidized material, and from 47.2 - 49.4m broken core, light grey to green andesitic rocks and represent the footwall of the quartz vein.

The assay results from this hole are as follows:

- From 35.8 - 36.4m: 0.574 oz/ton Au, 1.03 oz/ton Ag across 0.6m
- From 43.5 - 43.8m: 0.270 oz/ton Au, 0.61 oz/ton Ag across 0.3m
- From 45.7 - 47.2: 0.598 oz/ton Au, 0.78 oz/ton Ag across 1.5m

Diamond Drill Hole 86-10

This hole was drilled from same location as **Hole No. 86-9** at -45° dip, to a depth of 34.4m.

The hole started with dark green andesite from 0 to 22.5m. From 22.5 to 25.3m light grey to brown altered shear zone with broken core and scattered quartz veinlets up to 10 centimeters, mainly at 23.3m.

From 25.6 to 30.9m is the main quartz mineralized zone which consists, in part, of highly altered material light brown to dark brown, oxidized and limonitic, and in parts it is white-milky quartz, slightly altered with fractured filling and pyrite mineralization.

Assay results from the above zone yield **0.450 oz/ton Au, 2.16 oz/ton Ag** across 5.3m, with the highest gold value of **0.712 oz/ton from 30 - 30.9m,** and highest silver value **4.72 oz/ton from 25.6 - 26.0m.**

From 30.9 to 34.4m, is a dark green fine grained andesite rock resembling the country rock which hosts the quartz vein system, Q-17 and Q-22. Broken core from 31 to 32.3m, and 33.5 to 34.2m.

The recovery from this hole is 93.3%.

4.3 Discussion of Results

1) Holes 86-1 to 86-10 were drilled to test a strong mineralized quartz vein structure (Q-17 and Q-22) that is exposed on surface for a distance of 274m. Several holes intersected a strong mineralized zone carrying gold values up to **7.010 oz/ton Au, 25.80 oz/ton Ag, across 0.4m.**

2) Hole #86-7 intersected the mineralization at 130.2 - 133.2m and 137.2 to 137.8 which is the same mineralization intersected in Hole 86-6 and Trench #23. This proves that the down-dip extension at this location is to 139m below the surface.

3) Geological examination of the drill core and surface trenching shows that the sulphide which possibly carries gold, exists within the hangingwall and the footwall of the quartz vein. Less than 5% of sulphide is present in the centre part of the quartz vein.

4) Drilling through the mineralized zone resulted in poor core recovery (Holes 86-1 through 86-5) which did not give a true picture of the gold values within the system. All of these holes intersected the quartz vein structure with no gold values, and failed to intersect the high gold values which were found in the surface trenching. **In future drilling, NQ core size should be used.**

5) The 1986 drilling program has proven that the gold mineralization extends to the northwest and southeast. Significant gold results were obtained in Holes 86-8, 86-9 and 86-10, confirming the gold values in the trenches along the strike and down-dip.

5.0 ORE RESERVES

Preliminary geological ore reserves under the **"possible"** category were calculated, using the surface trenching results from the 1985 program, and diamond drilling results from the August-September 1986 program.

The **"possible"** reserves were calculated for three blocks, Block A, B, and C **(Figures 5, 6).** Ore reserves calculation data of the above blocks were obtained as follows:

BLOCK "A": From Drill Holes 86-6, 86-7, and Trenches #23, 22, 19 and 18.

BLOCK "B": From Drill Hole 86-8

BLOCK "C" From Drill Holes 86-9, 86-10 and Trench 6 and 9.

The tonnage and grade calculations for Block "A", were taken from Trench #18 southeast to 15 meters northwest.

The tonnage and grade calculations for Block "B" were taken from Baseline 3+00 NW, with 15 meters on both sides of the Baseline for a total strike length of 30 meters.

Finally, the tonnage and grade calculations for Block "C", were taken from 15 meters southeast of Trench #9, and 15 meters northwest of Trench #6, for a total strike length of 37 meters.

Calculations were performed strictly on each block from the trenching and drilling data, with no economic consideration, and therefore these reserves must be considered geological reserves. A tonnage factor of 10.0 ft^3/ton was used in order to provided direct tonnage.

CALCULATION - BLOCK "A"

1) AVERAGE GRADE AND WIDTH OF AREA BETWEEN TRENCHES #23 to 18:

Trench	Oz/ton Au	Oz/ton Ag	Width (M)	Grade x Width (Au)	Grade x Width (Ag)
23	0.702	2.58	3.35	2.35	8.64
22	0.051	0.227	1.68	0.08	0.38
19	0.775	0.85	2.44	1.89	2.07
18	0.143	0.34	1.83	0.26	0.62
			9.3	4.58	11.71

Average grade and width for Trenches #23 to 18: 0.49 oz/ton Au, 1.26 oz/ton Ag, across 2.32m.

2) AVERAGE GRADE CALCULATION FOR DRILL HOLES 86-6 and 86-7:

Drill Holes	Oz/ton Au	Oz/ton Ag	True Width (M)	Grade x Width (Au)	Grade x Width (Ag)
86-6	1.473	5.54	1.25	1.84	6.92
86-7	0.363	1.17	0.9	0.33	1.05
			2.15	2.17	7.97

2) (Cont):

Average grade and width for Drill Holes 86-6 and 86-7: 1.01 oz/ton Au, 3.71 oz/ton Ag across 1.1m.

3) AVERAGE GRADE AND WIDTH OF AREA BETWEEN TRENCH #23 - 18 AND DRILL HOLES 86-6 AND 86-7:

Block A	Oz/Ton Au	Oz/Ton Ag	Width (M)	Grade x Width (Au)	Grade x Width (Ag)
Trench 23- 18	0.49	1.26	2.32	1.14	2.92
Drill Hole 86-6 & 86-7	1.01	3.71	1.1	1.11	4.08
			3.42	2.25	7.0

Average grade and width for Block "A", 0.65 oz/ton Au, 2.04 oz/ton Ag, across 1.71m.

4) BLOCK "A" TONNAGE AND GRADE CALCULATION:

Length x thickness x depth:

30m (98ft) x 1.71m (6ft) x 134m (440 ft) = 6874.2m^3 (242,759 ft^3)

Tonnage = $\frac{\text{Volume } ft^3}{10\ ft^3/\text{ton}}$ = 24,276 tons

Total Tonnage for Block "A":

24,276 tons with an average grade of 0.65 oz/ton Au, and 2.04 oz/ton Ag.

BLOCK "B"

Following is the tonnage and grade for Block "B", based on Drill Hole 86-8:

Length x thickness x depth:

30 (98ft) x 1.4m (4.6ft) x 55m (180ft) = 2310m^3 (81,576 ft^3)

$$\text{Tonnage} = \frac{\text{Volume } ft^3}{10 ft^3/\text{ton}} = 8{,}158 \text{ tons}$$

Total Tonnage for Block "B":

8,158 tons with a grade of 0.313 oz/ton Au, 1.17 oz/ton Ag.

BLOCK "C":

1) AVERAGE GRADE CALCULATIONS FOR TRENCH #6 AND TRENCH #9:

Trench	Oz/ton Au	Oz/ton Ag	Width (M)
6	0.145	0.724	3.96
9	-	-	-

2) AVERAGE GRADE CALCULATION FOR DRILL HOLES 86-9 AND 86-10:

Drill Hole	Oz/ton Au	Oz/ton Ag	True Width (M)	Grade x Width (Au)	Grade x Width (Ag)
86-9	0.598	0.78	0.75	0.447	0.585
86-10	0.459	2.17	3.8	1.744	8.246
			4.55	2.191	8.831

Average grade and width for Drill Holes 86-9 and 86-10: 0.481 oz/ton Au, 1.94 oz/ton Ag, across 2.27m.

3) AVERAGE GRADE AND WIDTH OF AREA BETWEEN TRENCH #6 AND 9 AND DRILL HOLES 86-9 AND 86-10:

Block "C"	Oz/Ton Au	Ag	Width (M)	Grade x Width (Au)	Grade x Width (Ag)
Trench #6	0.145	0.724	3.96	0.574	2.867
Drill Holes 86-9 and 86-10	0.481	1.94	2.27	1.091	4.403
			6.23	1.665	7.27

Average grade and width for Block "C": 0.267 oz/ton Au, 1.17 oz/ton Ag, across 3.11m.

The tonnage and grade for Block "C", based on Trench #6 and Drill Holes 86-9 and 86-10 is calculated as follows:

Length x thickness x depth:

37m (121ft) x 3.11m (10ft) x 41m (134 ft) = 4,717.87m (166,609 ft)

$$\text{Tonnage} = \frac{\text{Volume (ft}^3\text{)}}{10\ \text{ft}^3\text{ton}} = 16{,}661 \text{ tons}$$

Total Tonnage for Block "C":

16,661 tons with an average grade of 0.267 oz/ton Au, 1.17 oz/ton Ag.

TOTAL ORE RESERVES FOR BLOCKS A, B, AND C, ARE AS FOLLOWS:

Block	Tons	Grade oz/ton Au	Ag	Grade x Tons (Au)	Grade x Tons (Ag)
A	24,276	0.65	2.04	15779.4	4952304.0
B.	8,158	0.313	1.17	2553.4	9544.9
C	16,661	0.267	1.17	4440.5	19493.4
TOTAL:	49,095			22781.3	78561.3

Total tonnage and grade for BLOCKS A, B, C, is 49,095 tons with average grade of 0.46 oz/ton Au, 1.60 oz/ton Ag.

With the limited amount of exploration work done on the property, these reserves must be considered conservative. Data from Phase 2, Drilling Program (October-December 1986) was not available to the author to incorporate into the above figures.

6.0 SUMMARY

A total of 931.2m of diamond drilling was carried out on the **DOC CLAIMS GROUP** between August 10 and September 8, 1986, for a total cost of $191,750.00. The drilling was carried out with BQ core and a total of ten (10) holes were drilled.

The objective of the drill program was to investigate the high gold, silver values and mineralization in two main structures Q-17 and Q-22 that were exposed in the trenches.

The first group, of Holes 86-1, 86-2 and 86-3, were drilled to investigate the area between Trench No. 14 and Trench No. 4, but failed to intersect any gold values, except 86-3 where it intersected a narrow zone and assayed 0.344 oz/ton Au, 1.88 oz/ton Ag across 0.5m.

The second group of Holes, 86-4 and 86-5 were drilled to investigate the nature and occurrence of high gold values in massive sulphide mineralization (Trench No. 12), but both holes failed to intersect any gold values.

The third group of Holes, 86-6 and 86-7, were drilled to investigate the high gold values exposed in Trench No. 23. The drilling results of 86-6 and 86-7 were very encouraging and confirms that the gold mineralization occurs at a depth of 139m below the surface and that Hole 86-6 intersected a mineralized zone assaying 7.010 oz/ton Au, 25.8 oz/ton Ag across 0.4m.

The fourth, Hole 86-8, was drilled to investigate the northwest extension of the Q-17 vein structure at Baseline 3+00NW. This hole intersected a mineralized zone assaying 0.313 oz/ton Au, 1.026 oz/ton Ag across 2.0m.

The fifth group, of Holes, 86-9, 86-10 were drilled to investigate the southeast extension of Q-17 and Q-22. Both holes intersected very encouraging gold and silver values. **Hole 86-9 intersected a mineralized zone assaying 0.598 oz/ton Au, 0.78 oz/ton Ag across 1.5m, and Hole 86-10 intersected a mineralized zone assaying**

0.459 oz/ton Au, 2.17 oz/ton Ag across 5.3m.

The geology comprises a northwest trend of northeast and southwest dipping felsic to mafic volcanic rocks of Triassic age. Several mineralized veins composed of milky-white quartz with 5% sulphide containing base and precious metals discordantly cutting the above volcanic rocks.

Assay data on split core from the volcanic rocks with pyrite mineralization near the vein structure, generally showed no values for gold and silver.

A compilation of available data from the 1985 Trenching and the August-September 1986 Drilling Program, has indicated that 49,095 tons of mineralization, assaying 0.46 oz/ton Au, 1.60 oz/ton Ag, may occur in the Q-17 and Q-22 vein system on the Doc Property. It would appear that that the Q-17 and Q-22 has an excellent chance for increased tonnage with further exploration. Grade definition could be stated with increased accuracy with further detailed surface drilling, and underground tunnelling and a program in this direction is warranted. However, Magna Ventures recently conducted a program similar to the above, and the results of their findings are not available to the writer at the time of writing this report.

The area of Q-17 and Q-22 requires further investigation to understand the nature and distribution of the gold mineralization.

7.0 RECOMMENDATION

At the time this report is written, a follow-up diamond drilling and underground tunnelling program has been carried out by Magna Ventures on the DOC property during October - December 1986. Therefore, based on the encouraging results from the 1986 diamond drilling program conducted by the author, it is recommended that:

1) Detailed surface diamond drilling of the entire northwest - southeast strike and down-dip extensions of Q-17, Q-22, for a total of 305 meters (1,000 feet).

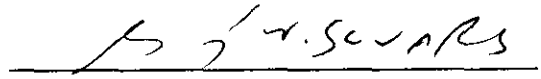
2) Diamond drilling of other mineralized structures such as Q-19, and Q-25, for a total of 305 meters (1,000 feet).

3) Hand-trenching and detailed soil sampling of the western extension of Q-17 and Q-12 shear zones. Also, areas of interest should be tested by diamond drilling.

4) Prospecting and mapping of the entire claim block to locate the high grade mineralization found on the property in the 1985 and 1986 field seasons.

The cost of such a program can be more accurately estimated if and when required, but would likely be in the $150,000 - $200,000 range.

Respectfully submitted by
Gewargis Geological Consulting Inc.



December 9, 1986

Wilson A. Gewargis, B.Sc, F.G.A.C.
Consulting Geologist

DATE

8.0 STATEMENT OF QUALIFICATIONS

I, Wilson Gewargis, with an address in the City of Richmond, British Columbia, do hereby certify that:

1. I am a Consulting Geologist with an office at Suite 405, 595 Howe Street, Vancouver, British Columbia.

2. This report is based upon examination of relevant maps and documents on the DOC claims group and field examination between August 6, 1986 and September 12, 1986.

3. I am a graduate of the University of Mosul, Iraq (1970), and hold a Bachelor of Science degree in Geology. In addition, I spent two years of post graduate studies in geology and geophysics at the University of Stuttgart, West Germany.

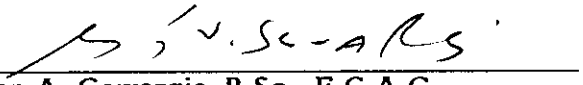
4. I have practised my profession for 16 years in British Columbia, Yukon, Ontario, U.S.A., Europe and the Middle East.

5. I am a Fellow of the Geological Association of Canada and a member of the Society of Mining Engineers of AIME.

6. I have no interest in any property or company holding property within 10 km of the DOC property.

7. I have received no interest, either directly, nor do I expect to receive any interest, directly or indirectly in the securities of Magna Ventures Ltd. or any affiliate nor do I beneficially own directly or indirectly, any securities of Magna Ventures Ltd. or any affiliate.

DATED at Vancouver, British Columbia, this 9th day of December, 1986.



Wilson A. Gewargis, B.Sc., F.G.A.C.
Consulting Geologist

9.0 BIBLIOGRAPHY

Seraphim, R.H., 1948: A Gold-Specularite Deposit, Unuk River, B.C., M.Sc. Thesis, U.B.C.

Kidd, D.F., Jan. 1950: Engineer's Report to Halport Mines

Tully, D.W., Oct. 1974: Assessment Report (No. 5239) on the D.O.C. Mineral Claim Group for New Minex Resources Ltd.

Tully, D.W., June 1975: Assessment Report (No. 5512) on the D.O.C. #3, 4, 11-13, 27-32 Claims, for New Minex Resources Ltd.

Harron, G.A., Feb. 1981: Geological and Geochemical Report on the DOC 1-4 Claims for DuPont of Canada Exploration Ltd. (No. 8925).

Wahl, H.J., Oct. 1985: Results of 1985 Trenching and Sampling on the Doc-4, Etal mineral claims, Unuk River, B.C.

APPENDIX "A-1"

STATEMENT OF COSTS

STATEMENT OF COSTS

These figures were provided by Magna Ventures for Exploration Expenses and Cost on the DOC claims for the period August to September 30, 1986.

Salaries and Wages	
Supervision and field crew	$21,386.04
Drilling	97,656.97
Field Transportation	
Helicopters and trucks	43,456.74
Travel	1,545.30
Fuel	188.00
Equipment and Rental	2,658.92
Room and Board	677.17
Assaying	4,354.52
Camp Expenses	778.63
Office Supplies	173.62
Field Supplies	382.69
Map reproduction	364.07
Fees, Rent, etc.	1,980.00
Licenses, Taxes and Insurance	458.00
Bank Cheques, Interest and Exchange	640.65
Exploratory and Preparatory	520.73
Miscellaneous Expenses	1,073.72
Report	7,741.20
Assessment Fees	5,720.00
TOTAL:	$191,756.97

From the above costs, a total of **$114,596.12** was applied for assessment work on September 25, 1986, on the following claims, Doc 4, Greg, Greg 2, 3, 4, Q-Tee, Alf and Alf 2.

APPENDIX "A-2"

ASSAY CERTIFICATES AND ASSAY SHEETS

DDH 86-1

ACME ANALYTICAL LABORATORIES LTD.
852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE: 251-1011

DATE RECEIVED: AUG 22 1986

DATE REPORT MAILED: Aug 25/86

ASSAY CERTIFICATE

SAMPLE TYPE: CORES AU†† AND AG†† BY FIRE ASSAY

ASSAYER: D. Toye DEAN TOYE. CERTIFIED B.C. ASSAYER.

MAGNA VENTURES LTD. PROJECT-DOC CLAIM FILE # 86-2205 PAGE

SAMPLE#	Ag** OZ/T	Au** OZ/T
8001	.01	.001
8002	.01	.001
8003	.04	.001
8004	.02	.001
8005	.03	.001
8006	.01	.001
8007	.01	.001
8008	.03	.001
8009	.01	.001
8010	.04	.001
8011	.01	.001
8012	.11	.006
8013	.02	.001
8014	.03	.001
8015	.02	.002
8016	.01	.001
8017	.01	.001
8018	.01	.001
8019	.02	.001
8020	.01	.001
8021	.01	.001
8022	.01	.001
8023	.01	.001
8024	.02	.001
8025	.01	.001
8026	.03	.001
8027	.01	.001
8028	.01	.001
8029	.01	.001
8030	.01	.001
8031	.02	.001
8032	.01	.001
8033	.01	.001
8034	.01	.001
8035	.02	.001
8036	.03	.001

SAMPLE#	Ag** OZ/T	Au** OZ/T
8037	.01	.001
8038	.01	.001
8039	.01	.001
8040	.01	.001
8041	.01	.001
8042	.01	.002
8043	.02	.001
4801	.04	.002

DOH 86-2

ACME ANALYTICAL LABORATORIES LTD.
852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE: 251-1011

DATE RECEIVED: AUG 22 1986

DATE REPORT MAILED: Aug 25/86

ASSAY CERTIFICATE

SAMPLE TYPE: CORES AU** AND AG** BY FIRE ASSAY

ASSAYER: D. Toye. DEAN TOYE. CERTIFIED B.C. ASSAYER.

MAGNA VENTURES LTD PROJECT - DOC CLAIM FILE # 86-2200 PAGE

SAMPLE#	Ag** OZ/T	Au** OZ/T
8044	.04	.001
8045	.07	.007
8046	.01	.001
8047	.02	.003
8048	.01	.001
8049	.03	.001
8050	.02	.001
8051	.01	.001
8052	.04	.001
8053	.01	.001
8054	.03	.001
8055	.04	.002
8056	.01	.001
8057	.03	.001
8058	.02	.001
8059	.02	.002
8060	.03	.001
8061	.02	.001
8062	.02	.001
8063	.01	.001
8064	.02	.001
8065	.01	.001
8066	.04	.001
8067	.05	.006
8068	.02	.001
8069	.01	.001
8070	.01	.001
8071	.01	.001
8072	.03	.001
8073	.01	.001
8074	.02	.001
8075	.01	.001
8076	.01	.001
8077	.01	.001
8078	.03	.001
8079	.03	.001

SAMPLE#	Ag** OZ/T	Au** OZ/T
8080	.01	.001
8081	.01	.001
4802 Rock	5.91	.106

DDH 86-3

ACME ANALYTICAL LABORATORIES LTD.
352 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE: 251-1011

DATE RECEIVED: AUG 22 1986

DATE REPORT MAILED: Aug 25/86

ASSAY CERTIFICATE

SAMPLE TYPE: CORES AU** AND AG** BY FIRE ASSAY

ASSAYER: D. Toye .DEAN TOYE. CERTIFIED B.C. ASSAYER.

MAGNA VENTURES LTD PROJECT-DOC CLAIM FILE# 86-2204

SAMPLE#	Ag** OZ/T	Au** OZ/T
8082	.01	.001
8083	.01	.001
8084	.01	.001
8085	.01	.001
8086	.05	.001
8087	.01	.001
8088	.01	.001
8089	.01	.001
8090	.01	.001
8091	.01	.001
8092	.02	.001
8093	.02	.001
8094	.01	.001
8095	.01	.001
8096	.01	.001
8097	.01	.001
8098	.01	.001
8099	.01	.001
8100	.01	.001
8101	.02	.001
8102	.01	.001
8103	.01	.001
8104	.01	.001
8105	.01	.001
8106	.06	.024
8107	.01	.001
8108	.01	.001
8109	.01	.001
8110	.01	.001
8111	.01	.001
8112	.05	.021
8113	.09	.034
8114	.55	.106
8115	.07	.027
8116	1.88	.344
8117	.02	.007

SAMPLE#	Ag** OZ/T	Au** OZ/T
8118	.01	.001
8119	.01	.001
8120	.01	.001
8121	.03	.004
8122	.02	.001
8123	.01	.001
8124	.01	.001
ICE BERG CUT 3	40.74	4.540

1E ANALYTICAL LABORATORIES LTD.
2 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE: 251-1011

DATE RECEIVED: SEPT 1 1986

DATE REPORT MAILED: Sept. 5/86...

ASSAY CERTIFICATE

SAMPLE TYPE: CORES AU** AND AG** BY FIRE ASSAY

ASSAYER: D. Toye ..DEAN TOYE. CERTIFIED B.C. ASSAYER.

MAGNA VENTURES LTD PROJECT-DOC CLAIM FILE # 86-2397

SAMPLE#	Ag** OZ/T	Au** OZ/T
8125	.03	.001
8126	.01	.001
8127	.01	.001
8128	.01	.001
8129	.03	.001
8130	.23	.004
8131	.02	.001
8132	.10	.003
8133	.14	.018
8134	.27	.063
8135	.09	.010
8136	.01	.001
8137	.01	.001
8138	.01	.001
8139	.01	.001
8140	.01	.001
8141	.01	.001
8142	.01	.001
8143	.01	.001
8144	.01	.001
8145	.08	.021
8146	.01	.001
8147	.01	.002
8148	.14	.036
8149	.03	.006
8150	.01	.001
8151	.02	.002
8152	.03	.001
8153	.06	.007
8154	.09	.018
8155	.01	.003
8156	.01	.002
8157	.01	.001
8158	.08	.013
8159	.01	.001
8160	.01	.001

MAGNA VENTURES LTD PROJECT-DOC CLAIM FILE # 86-2397 PAGE

SAMPLE#	Ag** OZ/T	Au** OZ/T
8161	.01	.001
8162	.01	.001
8163	.02	.001
8164	.04	.007
8165	.01	.001
8166	.01	.001
4803	.01	.001

. ME ANALYTICAL LABORATORIES LTD.
852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE: 251-1011

DATE RECEIVED: SEPT 8 1986

DATE REPORT MAILED: Sept. 11/86.

ASSAY CERTIFICATE

SAMPLE TYPE: CORES AU** AND AG** BY FIRE ASSAY

ASSAYER: D. Toye DEAN TOYE. CERTIFIED B.C. ASSAYER.

MAGNA VENTURES PROJECT-DOC CLAIM FILE# 86-2524 PAGE 1

SAMPLE#	Ag** OZ/T	Au** OZ/T
8167	.01	.001
8168	.04	.006
8169	.01	.001
8170	.01	.001
8171	.01	.002
8172	.05	.013
8173	.03	.010
8174	.05	.017
8175	.10	.037
8176	.03	.010
8177	.03	.005
8178	.07	.001
8179	.05	.002
8180	.11	.019
8181	1.20	.425
8182	.02	.008
8183	.01	.009
8184	25.80	7.010
8185	3.90	1.060
8186	2.55	.556
8187	.87	.235
8188	.47	.127
8189	.17	.045
8190	.03	.006
8191	.02	.008
8192	.02	.001
8193	.01	.002
8194	.06	.015
8195	.07	.017
8196	.02	.004
8197	.01	.001
8198	.08	.023
8199	.04	.007
8200	.01	.004
8201	.06	.009
8202	.02	.001

SAMPLE#	Ag** OZ/T	Au** OZ/T
8203	.02	.004
8204	.07	.016
8205	.10	.011
8206	.02	.007

Chemex Labs Ltd.

Analytical Chemists *Geochemists* *Registered Assayers*

212 Brooksbank Ave.
North Vancouver, B.C.
Canada V7J 2C1
Phone: (604) 984-0221
Telex: 043-52597

CERTIFICATE OF ASSAY

TO : MAGNA VENTURES LTD.
1220 - 800 W. PENDER ST.
VANCOUVER, BC
V6C 1J8

c/o
811 - 850 W. HASTINGS ST.
VANCOUVER, B.C.
V6C-1E1

CERT. # : A8618136-001-,
INVOICE # : I8618136
DATE : 18-SEP-86
P.O. # : NONE
DOC CLAIM

ATTN: MR. ED. MUELLER CC: WILSON GEWARGIS ✓

Sample description	Prep code	Ag oz/T RUSH FA	Au oz/T RUSH FA				
8208	236	0.26	0.094	--	--	--	--
8209	236	0.07	0.014	--	--	--	--
8210	236	0.05	0.006	--	--	--	--
8211	236	3.21	0.934	--	--	--	--
8212	236	1.20	0.364	--	--	--	--
8213	236	2.36	0.760	--	--	--	--
8214	236	0.19	0.072	--	--	--	--
8215	236	0.64	0.212	--	--	--	--
8216	236	0.38	0.110	--	--	--	--

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W. Stan Armanini

Registered Assayer, Province of British Columbia

Chemex Labs Ltd.

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North Vancouver, B.C.
Canada V7J 2C1

Phone: (604) 984-0221
Telex: 043-52597

CERTIFICATE OF ASSAY

TO : MAGNA VENTURES LTD.

1220 - 800 W. PENDER ST.
VANCOUVER, BC
V6C 1J8

811 - 850 W. Hastings St.
VANCOUVER, BC
V6C 1E1

CERT. # : A8618154-001-A
INVOICE # : I8618154
DATE : 24-SEP-86
P.O. # : NONE
DOC CLAIM

ATTN: MR. ED MUELLER cc: WILSON GEWARGIS

Sample description	Prep code	Ag FA oz/T	Au FA oz/T				
86-09 71-81	207	0.16	<0.002	--	--	--	--
86-09 81-83.6	207	0.51	0.014	--	--	--	--
86-09 83.6-85	207	0.82	0.017	--	--	--	--
86-09 85-95	207	0.71	0.014	--	--	--	--
86-09 95-100.6	207	0.75	0.014	--	--	--	--
86-09 100.6-104	207	0.49	0.006	--	--	--	--
86-09 104-112.6	207	0.59	0.006	--	--	--	--
86-09 112.6-114	207	0.40	0.004	--	--	--	--
86-09 114-125	207	0.26	0.018	--	--	--	--
86-09 125-135	207	0.20	0.024	--	--	--	--
86-09 135-145	207	0.22	0.060	--	--	--	--
86-10 52-62	207	0.08	0.018	--	--	--	--
86-10 62-74	207	0.08	0.016	--	--	--	--
86-10 74-84	207	0.27	0.006	--	--	--	--
86-10 84-93.6	207	1.65	0.494	--	--	--	--
86-10 93.6-98.6	207	2.25	0.908	--	--	--	--

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212 Brooksbank Ave.
North Vancouver, B.C.
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Telex: 043-52597

CERTIFICATE OF ASSAY

TO : MAGNA VENTURES LTD.
811-850 W. HASTINGS ST.
1220 - 800 W. PENDER ST. VANCOUVER, BC
VANCOUVER, BC V6C 1E1
V6C 1J8

CERT. # : A8618137-001-,
INVOICE # : I8618137
DATE : 1-OCT-86
P.O. # : NONE
DOC CLAIM

ATTN: MR. ED MUELLER CC: WILSON GEWARGIS

Sample description	Prep code	Ag FA oz/T	Au FA oz/T	Ag oz/T RUSH FA	Au oz/T RUSH FA		
8207	207	--	--	0.06	<0.003	--	--
8217	207	--	--	0.14	0.016	--	--
8218	207	0.07	0.004	--	--	--	--
8219	207	0.11	0.026	--	--	--	--
8220	207	2.13	0.656	--	--	--	--
8221	207	0.16	0.048	--	--	--	--
8222	207	0.05	0.006	--	--	--	--
8223	207	0.01	0.004	--	--	--	--
8224	207	0.01	0.002	--	--	--	--
8225	207	0.05	<0.002	--	--	--	--
8226	207	0.05	0.002	--	--	--	--
8227	207	0.02	0.002	--	--	--	--
8228	207	0.05	0.002	--	--	--	--
3229	207	0.07	<0.002	--	--	--	--
8230	207	0.01	0.002	--	--	--	--
8231	207	--	--	0.06	<0.003	--	--
8232	207	--	--	0.08	0.004	--	--
8233	207	--	--	3.18	0.998	--	--
8234	207	--	--	0.18	0.060	--	--
8235	207	0.15	0.020	--	--	--	--
8236	207	0.13	0.008	--	--	--	--
8237	207	0.03	<0.002	--	--	--	--
8238	207	0.08	0.010	--	--	--	--
8239	207	0.03	0.008	--	--	--	--
8240	207	0.07	0.008	--	--	--	--
8241	207	0.48	<0.002	--	--	--	--
8242	207	0.08	0.002	--	--	--	--
8243	207	0.13	0.012	--	--	--	--
8244	207	0.23	0.044	--	--	--	--
8245	207	--	--	0.06	<0.003	--	--
8246	207	--	--	1.03	0.574	--	--
8247	207	--	--	0.03	0.032	--	--
8248	207	--	--	0.03	0.010	--	--
8249	207	--	--	0.03	0.014	--	--
8250	207	--	--	0.05	0.010	--	--
8251	207	--	--	0.07	0.014	--	--
8252	207	--	--	0.05	0.012	--	--
8253	207	--	--	0.61	0.270	--	--
8254	207	--	--	0.04	0.040	--	--
8255	207	--	--	0.06	0.096	--	--

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B. Swaite

Registered Assayer, Province of British Columbia

Chemex Labs Ltd.

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Phone: (604) 984-0221
Telex: 043-52597

CERTIFICATE OF ASSAY

TO : MAGNA VENTURES LTD.

1220 - 800 W. PENDER ST.
VANCOUVER, BC
V6C 1J8

CERT. # : A8618137-002-A
INVOICE # : I8618137
DATE : 1-OCT-86
P.O. # : NONE
DOC CLAIM

ATTN: MR. ED MUELLER CC: WILSON GEWARGIS

Sample description	Prep code	Ag FA oz/T	Au FA oz/T	Ag oz/T RUSH FA	Au oz/T RUSH FA		
8256	207	--	--	0.82	0.844	--	--
8257	207	0.71	0.106	--	--	--	--
8258	207	0.44	0.036	--	--	--	--
8259	207	0.07	0.012	--	--	--	--
8260	207	--	--	1.22	0.042	--	--
8261	207	--	--	4.72	0.304	--	--
8262	207	--	--	2.99	0.294	--	--
8263	207	--	--	1.65	0.194	--	--
8264	207	--	--	1.23	0.590	--	--
8265	207	--	--	4.06	0.500	--	--
8266	207	--	--	0.35	0.712	--	--

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Registered Assayer, Province of British Columbia

GEWARGIS GEOLOGICAL CONSULTING INC.

SAMPLES ASSAY SHEET

PROPERTY DOC ASSAYER ACME LAB

LOCATION Unuk River SHEET No. 1 of 1

HOLE No. 86-1

SAMPLE No.	DEPTH(M) FROM	DEPTH(M) TO	LENGTH (M)	ASSAYS Au oz/t	ASSAYS Ag oz/t	LENGTH x ASSAY	AVERAGE ASSAY
8001	13.4	13.8	0.4	0.001	0.01		
8002	17.1	18.2	1.1	0.001	0.01		
8003	29.8	30.2	0.4	0.001	0.04		
8004	30.2	30.8	0.6	0.001	0.02		
8005	30.8	32.2	1.4	0.001	0.03		
8006	32.2	33.5	1.3	0.001	0.01		
8007	33.5	34.1	0.6	0.001	0.01		
8008	34.1	34.4	0.3	0.001	0.03		
8009	34.4	35.4	1.0	0.001	0.01		
8010	40.4	40.9	0.5	0.001	0.04		
8011	49.8	51.9	2.1	0.001	0.01		
8012	51.9	52.2	0.3	0.006	0.11		
8013	52.2	53.3	1.1	0.001	0.02		
8014	53.3	54.4	1.1	0.001	0.03		
8015	54.4	54.7	0.3	0.002	0.02		
8016	54.7	55.5	0.8	0.001	0.01		
8017	55.5	56.0	0.5	0.001	0.01		
8018	56.0	56.7	0.7	0.001	0.01		
8019	57.6	58.8	1.2	0.001	0.02		
8020	58.8	60.0	1.2	0.001	0.01		
8021	60.0	61.0	1.0	0.001	0.01		
8022	61.0	61.9	0.9	0.001	0.01		
8023	61.9	62.7	0.8	0.001	0.01		
8024	62.7	63.6	0.9	0.001	0.02		
8025	63.6	64.6	1.0	0.001	0.01		
8026	64.6	65.4	0.8	0.001	0.03		
8027	65.4	66.4	1.0	0.001	0.01		
8028	66.4	67.0	0.6	0.001	0.01		
8029	67.0	68.0	1.0	0.001	0.01		
8030	68.0	68.9	0.9	0.001	0.01		
8031	68.9	69.7	0.8	0.001	0.02		
8032	69.7	70.7	1.0	0.001	0.01		
8033	70.7	71.6	0.9	0.001	0.01		
8034	71.6	72.8	1.2	0.001	0.01		
8035	72.8	74.2	1.4	0.001	0.02		
8036	74.2	75.0	0.8	0.001	0.03		
8037	75.0	75.5	0.5	0.001	0.01		
8038	75.5	76.8	1.3	0.001	0.01		
8039	76.8	77.5	0.7	0.001	0.01		
8040	77.5	78.1	0.6	0.001	0.01		
8041	86.0	86.3	0.3	0.001	0.01		
3042	94.2	94.6	0.4	0.002	0.01		
8043	94.6	95.3	0.7	0.001	0.02		

GEWARGIS GEOLOGICAL CONSULTING INC.

SAMPLES ASSAY SHEET

PROPERTY DOC ASSAYER ACME LAB

LOCATION Unuk River SHEET No. 1 of 1

HOLE No. 86-2

SAMPLE No.	DEPTH (M) FROM	TO	LENGTH (M)	ASSAYS Au oz/t	Ag oz/t			LENGTH x ASSAY				AVERAGE ASSAY		
8044	14.2	15.0	0.8	0.001	0.04									
8045	18.9	19.2	0.3	0.007	0.07									
8046	19.9	20.3	0.4	0.001	0.01									
8047	21.8	22.6	0.8	0.003	0.02									
8048	22.6	23.0	0.4	0.001	0.01									
8049	23.0	24.3	1.3	0.001	0.03									
8050	24.2	24.7	0.3	0.001	0.02									
8051	24.7	25.0	0.3	0.001	0.01									
8052	25.0	25.4	0.4	0.001	0.04									
8053	25.4	25.8	0.4	0.001	0.01									
8054	25.8	26.8	1.0	0.001	0.03									
8055	33.7	34.7	1.0	0.002	0.04									
8056	34.7	35.3	0.6	0.001	0.01									
8057	35.3	36.7	1.4	0.001	0.03									
8058	36.7	37.5	1.0	0.001	0.02									
8059	37.5	38.7	1.2	0.002	0.02									
8060	38.7	39.3	0.6	0.001	0.03									
8061	39.3	40.0	0.7	0.001	0.02									
8062	40.0	40.5	0.5	0.001	0.02									
8063	40.5	41.1	0.6	0.001	0.01									
8064	41.1	42.4	1.3	0.001	0.02									
8065	45.7	46.4	0.7	0.001	0.01									
8066	46.4	48.8	2.4	0.001	0.04	}	0.002 oz/t Au, 0.08 oz/t Ag across 3.6m							
8067	48.8	50.0	1.2	0.006	0.05	}								
8068	50.0	51.1	1.1	0.001	0.02									
8069	51.1	52.0	0.9	0.001	0.01									
8070	52.0	53.0	1.0	0.001	0.01									
8071	53.0	54.2	1.2	0.001	0.01									
8072	54.2	55.3	0.9	0.001	0.03									
8073	55.3	56.2	0.9	0.001	0.01									
8074	56.2	57.1	0.9	0.001	0.02									
8075	57.1	57.8	0.7	0.001	0.01									
8076	61.5	62.3	0.8	0.001	0.01									
8077	62.3	63.1	0.8	0.001	0.01									
8078	63.1	63.8	0.7	0.001	0.03									
8079	63.8	64.2	0.4	0.001	0.03									
8080	64.2	64.6	0.4	0.001	0.01									
8081	67.4	67.7	0.3	0.001	0.01									

GEWARGIS GEOLOGICAL CONSULTING INC.

SAMPLES ASSAY SHEET

PROPERTY DOC ASSAYER ACME LAB

LOCATION Unuk River SHEET No. 1 of 2

HOLE No. 86-3

SAMPLE No.	DEPTH(M) FROM	TO	LENGTH (M)	ASSAYS Au oz/t	Ag oz/t	LENGTH x ASSAY	AVERAGE ASSAY
8082	15.7	16.2	0.5	0.001	0.01		
8083	21.9	22.4	0.5	0.001	0.01		
8084	34.9	35.3	0.4	0.001	0.01		
8085	44.2	44.5	0.3	0.001	0.01		
8086	56.3	56.6	0.3	0.001	0.05		
8087	59.1	59.4	0.3	0.001	0.01		
8088	62.6	63.0	0.4	0.001	0.01		
8089	63.0	63.2	0.2	0.001	0.01		
8090	63.2	63.7	0.5	0.001	0.01		
8091	66.5	67.0	0.5	0.001	0.01		
8092	67.0	68.1	1.1	0.001	0.02		
8093	68.1	68.6	0.5	0.001	0.02		
8094	68.6	69.9	1.3	0.001	0.01		
8095	69.9	70.7	0.8	0.001	0.01		
8096	70.7	71.2	0.4	0.001	0.01		
8097	71.2	71.9	0.7	0.001	0.01		
8098	71.9	72.7	0.8	0.001	0.01		
8099	72.7	73.8	1.1	0.001	0.01		
8100	73.8	74.3	0.5	0.001	0.01		
8101	76.3	76.6	0.3	0.001	0.02		
8102	77.7	78.9	1.2	0.001	0.01		
8103	78.9	79.7	0.8	0.001	0.01		
8104	79.7	80.2	0.5	0.001	0.01		
8105	84.1	84.6	0.5	0.001	0.01		
8106	84.6	85.0	0.4	0.024	0.06		
8107	85.0	85.6	0.6	0.001	0.01		
8108	85.6	86.9	1.3	0.001	0.01		
8109	86.9	87.8	0.9	0.001	0.01		
8110	87.8	88.7	0.9	0.001	0.01		
8111	88.7	89.7	1.0	0.001	0.0		
8112	89.7	91.6	1.3	0.021	0.05		
8113	91.0	91.4	0.4	0.034	0.09		
8114	91.4	92.0	0.6	0.106	0.55	0.069 oz/t Au, 0.33 oz/t Ag across 4.3m	
8115	92.0	92.5	0.5	0.027	0.07	OR 0.156 oz/t Au, 0.81 oz/t Ag across 1.6m	
8116	92.5	93.0	0.5	0.344	1.88		
8117	93.0	94.0	1.0	0.007	0.02		
8118	94.0	95.0	1.0	0.001	0.01		
8119	95.0	95.3	0.3	0.001	0.01		
8120	95.3	96.3	0.5	0.001	0.01		

GEWARGIS GEOLOGICAL CONSULTING INC.

SAMPLES ASSAY SHEET

PROPERTY DOC ASSAYER ACME LAB

LOCATION Unuk River SHEET No. 2 of 2

HOLE No. 86-3

SAMPLE No.	DEPTH (M) FROM	DEPTH (M) TO	LENGTH (M)	ASSAYS Au oz/t	ASSAYS Ag oz/t	LENGTH x ASSAY	AVERAGE ASSAY
8121	96.3	97.2	0.9	0.004	0.03		
8122	97.2	97.9	0.7	0.001	0.02		
8123	97.9	99.2	1.3	0.001	0.01		
8124	107.7	108.2	0.5	0.001	0.01		

GEWARGIS GEOLOGICAL CONSULTING INC.

SAMPLES ASSAY SHEET

PROPERTY DOC ASSAYER ACME LAB

LOCATION Unuk River SHEET No. 1 of 1

HOLE No. 86-4

SAMPLE No.	DEPTH (M) FROM	TO	LENGTH (M)	ASSAYS Au oz/t	Ag oz/t	LENGTH x ASSAY	AVERAGE ASSAY
8125	12.5	12.8	0.3	0.001	0.03		
8126	21.6	21.9	0.3	0.001	0.01		
8127	36.9	37.5	0.6	0.001	0.01		
8128	43.9	44.2	0.3	0.001	0.01		
8129	55.9	56.5	0.6	0.001	0.03		
8130	59.4	59.7	0.3	0.004	0.23		
8131	62.5	62.9	0.4	0.001	0.02		
8132	62.9	63.4	0.5	0.003	0.10		
8133	63.4	64.0	0.6	0.018	0.14		
8134	64.0	64.8	0.8	0.063	0.27	0.023 oz/t Au, 0.145 oz/t Ag across 3.2m	
8135	64.8	66.1	1.3	0.010	0.09		
8136	66.1	66.7	0.6	0.001	0.01		

GEWARGIS GEOLOGICAL CONSULTING INC.

SAMPLES ASSAY SHEET

PROPERTY DOC CLAIMS ASSAYER ACME LAB

LOCATION Unuk River SHEET No. 1 of 2

HOLE No. 86-5

SAMPLE No.	DEPTH (M) FROM	TO	LENGTH (M)	ASSAYS Au oz/t	Ag oz/t	LENGTH x ASSAY	AVERAGE ASSAY
8137	7.9	8.2	0.3	0.001	0.01		
8138	42.2	42.6	0.4	0.001	0.01		
8139	48.9	49.2	0.3	0.001	0.01		
8140	58.2	58.7	0.5	0.001	0.01		
8141	58.7	59.0	0.3	0.001	0.01		
8142	59.0	59.9	0.9	0.001	0.01		
8143	59.9	60.2	0.3	0.001	0.01		
8144	60.2	60.8	0.6	0.001	0.01		
8145	60.8	61.3	0.5	0.021	0.08		
8146	61.3	61.9	0.6	0.001	0.01		
8147	64.9	65.4	0.5	0.002	0.01		
8148	82.0	83.2	1.2	0.036	0.14		
8149	94.6	95.2	0.6	0.006	0.03		
8150	95.2	95.8	0.6	0.001	0.01		
8151	95.8	96.4	0.6	0.002	0.02		
8152	96.4	97.3	0.9	0.001	0.03		
8153	99.0	99.3	0.3	0.007	0.06		
8154	100.2	100.9	0.7	0.018	0.09		
8155	116.7	117.6	0.9	0.003	0.01		
8156	121.9	122.3	0.4	0.002	0.01		
8157	139.3	139.6	0.3	0.001	0.01		
8158	139.6	140.0	0.4	0.013	0.08		
8159	140.0	141.8	1.8	0.001	0.01		
8160	141.8	142.2	0.4	0.001	0.01		
8161	142.2	142.8	0.6	0.001	0.01		
8162	160.1	160.5	0.4	0.001	0.01		
8163	160.5	161.7	1.2	0.001	0.02		
8164	161.7	162.4	0.7	0.007	0.04		
8165	162.4	163.1	0.7	0.001	0.01		
8166	163.1	163.5	0.4	0.001	0.01		
8167	168.3	168.6	0.3	0.001	0.01		
8168	176.5	176.9	0.4	0.006	0.04		
8169	176.9	177.7	0.8	0.001	0.01		
8170	177.7	178.3	0.6	0.001	0.01		
8171	178.3	178.9	0.6	0.002	0.01		
8172	180.9	181.7	0.0	0.013	0.05		

GEWARGIS GEOLOGICAL CONSULTING INC.

SAMPLES ASSAY SHEET

PROPERTY DOC ASSAYER ACME LAB

LOCATION Unuk River SHEET No. 2 of 2

HOLE No. 86-5

SAMPLE No.	DEPTH (M) FROM	TO	LENGTH (M)	ASSAYS Au oz/t	Ag oz/t	LENGTH x ASSAY	AVERAGE ASSAY
8173	181.7	182.4	0.7	0.010	0.03		
8174	182.4	182.8	0.4	0.017	0.05	0.024 oz/t Au, 0.067 Ag oz/t across 2.1m	
8175	182.8	183.8	1.0	0.037	0.10		
8176	183.8	184.3	0.5	0.010	0.03		
8177	186.3	186.8	0.5	0.005	0.03		

GEWARGIS GEOLOGICAL CONSULTING INC.

SAMPLES ASSAY SHEET

PROPERTY DOC ASSAYER ACME LABS

LOCATION Unuk River SHEET No. 1 of 1

HOLE No. 86-6

SAMPLE No.	DEPTH (M) FROM	TO	LENGTH (M)	ASSAYS Au oz/t	Ag oz/t	LENGTH x ASSAY	AVERAGE ASSAY
8178	30.4	31.0	1.4	0.001	0.07		
8179	51.6	51.9	0.3	0.002	0.05		
8180	62.3	63.2	0.9	0.019	0.11		
8181	63.2	63.7	0.5	0.425	1.20		
8182	63.7	65.2	1.5	0.008	0.02		
8183	65.2	65.6	0.4	0.009	0.01		
8184	65.6	66.0	0.4	7.010	25.80		
8185	66.0	66.3	0.3	1.060	3.90		
8186	66.3	66.9	0.6	0.556	2.55	1.47 oz/t Au, 5.54 oz/t Ag across 2.5m	
8187	66.9	67.6	0.7	0.235	0.87		
8188	67.6	68.1	0.5	0.127	0.47		
8189	68.1	68.6	0.5	0.045	0.17		
8190	68.6	69.3	0.7	0.006	0.03		

GEWARGIS GEOLOGICAL CONSULTING INC.

SAMPLES ASSAY SHEET

PROPERTY DOC ASSAYER ACME LAB

LOCATION Unuk River SHEET No. 1 of 1

HOLE No. 86-7

SAMPLE No.	DEPTH (M) FROM	TO	LENGTH (M)	ASSAYS Au oz/t	Ag oz/t	LENGTH x ASSAY	AVERAGE ASSAY
8191	16.5	16.8	0.3	0.008	0.02		
8192	18.9	19.6	0.7	0.001	0.02		
8193	24.5	25.3	0.8	0.002	0.01		
8194	67.1	68.0	0.9	0.015	0.06		
8195	68.7	69.1	0.4	0.017	0.07		
8196	69.9	70.9	1.0	0.004	0.02		
8197	70.9	71.3	0.4	0.001	0.01		
8198	73.8	74.2	0.4	0.023	0.08		
8199	74.2	74.5	0.3	0.007	0.04		
8200	74.5	75.0	0.5	0.004	0.01		
8201	75.0	75.4	0.4	0.009	0.06		
8202	75.4	75.8	0.4	0.001	0.02		
8203	75.8	76.1	0.3	0.004	0.02		
8204	96.2	97.6	1.4	0.016	0.070		
8205	100.6	101.4	0.8	0.011	0.10		
8206	108.8	109.4	0.6	0.007	0.02		
8207	127.8	128.3	0.5	0.003	0.06		
8208	128.3	129.2	0.9	0.094	0.26		
8209	129.2	129.8	0.6	0.014	0.07		
8210	129.8	130.2	0.4	0.006	0.05		
8211	130.2	130.5	0.3	0.934	3.21		
8212	130.5	131.4	0.9	0.364	1.20		
8213	131.4	131.9	0.5	0.760	2.36		
8214	131.9	132.4	0.5	0.072	0.19	0.363 oz/t Au, 1.17 oz/t Ag across 3.4m	
8215	132.4	133.2	0.8	0.212	0.64		
8216	133.2	133.6	0.4	0.110	0.38		
8217	133.6	134.5	0.9	0.016	0.14		
8218	134.5	135.9	1.4	0.004	0.07		
8219	135.9	137.2	1.3	0.026	0.11		
8220	137.2	137.8	0.6	0.656	2.13		
8221	137.8	138.5	0.7	0.048	0.16		
8222	138.5	138.7	0.2	0.006	0.05		

GEWARGIS GEOLOGICAL CONSULTING INC.

SAMPLES ASSAY SHEET

PROPERTY DOC ASSAYER ACME LABS

LOCATION Unuk River SHEET No. 1 of 1

HOLE No. 86-8

SAMPLE No.	DEPTH(M) FROM	DEPTH(M) TO	LENGTH (M)	ASSAYS Au oz/t	ASSAYS Ag oz/t	LENGTH x ASSAY	AVERAGE ASSAY
8223	30	30.7	0.7	0.004	0.01		
8224	31.3	31.6	0.3	0.002	0.01		
8225	35.1	35.9	0.8	0.002	0.05		
8226	40.5	42.0	1.5	0.002	0.05		
8227	46.5	47.0	0.5	0.002	0.02		
8228	47.0	48.4	1.4	0.002	0.05		
8229	54	54.9	0.9	0.002	0.07		
8230	57.8	59.0	1.2	0.002	0.01		
8231	59.0	59.4	0.4	0.003	0.06		
8232	59.4	60.0	0.6	0.004	0.08		
8233	60.0	60.6	0.6	0.998	3.18	0.313 oz/t Au, 1.17 oz/t Ag across 2.0m	
8234	60.6	61.0	0.4	0.060	0.18		
8235	61.0	61.4	0.4	0.020	0.15		
8236	61.4	62.1	0.6	0.008	0.13		
8237	62.1	63.1	1.0	0.002	0.03		

GEWARGIS GEOLOGICAL CONSULTING INC.

SAMPLES ASSAY SHEET

PROPERTY DOC ASSAYER ACME LAB

LOCATION Unuk River SHEET No. 1 of 1

HOLE No. 86-9

SAMPLE No.	DEPTH (M) FROM	TO	LENGTH (M)	ASSAYS Au oz/t	Ag oz/t	LENGTH x ASSAY	AVERAGE ASSAY
8238	25.9	26.4	0.5	0.010	0.08		
8239	28.1	28.6	0.5	0.008	0.03		
8240	29.1	29.5	0.4	0.008	0.07		
8241	32.0	33.0	1.0	0.002	0.48		
8242	33.0	33.6	0.6	0.002	0.08		
8243	33.6	34.5	0.9	0.012	0.13		
8244	34.5	35.1	0.6	0.044	0.23		
8245	35.1	35.8	0.7	0.003	0.06		
8246	35.8	36.4	0.6	0.574	1.03		
8247	36.4	37.4	1.0	0.032	0.03		
8248	37.4	38.4	1.0	0.010	0.03		
8249	38.4	39.7	1.3	0.014	0.03		
8250	39.7	41.1	1.4	0.010	0.05		
8251	41.1	42.4	1.3	0.014	0.07		
8252	42.4	43.5	1.1	0.012	0.05		
8253	43.5	43.8	0.3	0.270	0.61		
8254	43.8	44.6	0.8	0.040	0.04		
8255	44.6	45.7	1.1	0.096	0.06		
8256	45.7	46.7	1.0	0.844	0.82	0.598 oz/t Au, 0.78 oz/t Ag across 1.5m	
8257	46.7	47.2	0.5	0.106	0.71		

GEWARGIS GEOLOGICAL CONSULTING INC.

SAMPLES ASSAY SHEET

PROPERTY DOC ASSAYER ACME LABS

LOCATION Unuk River SHEET No. 1 of 1

HOLE No. 86-10

SAMPLE No.	DEPTH (M) FROM	TO	LENGTH (M)	ASSAYS Au oz/t	Ag oz/t	LENGTH x ASSAY	AVERAGE ASSAY
8258	21.2	21.5	0.3	0.036	0.44		
8259	24.4	25.3	0.9	0.012	0.07		
8260	25.3	25.6	0.3	0.042	1.22		
8261	25.6	26.0	0.4	0.304	4.72		
8262	26.0	27.0	1.0	0.294	2.99		
8263	27.0	27.8	0.8	0.194	1.65		
8264	27.8	29.2	1.4	0.590	1.23	0.459 oz/t Au, 2.17 oz/t Ag across 5.8m	
8265	29.2	30.0	0.8	0.500	4.06		
8266	30.0	30.9	0.9	0.712	0.35		

96-364-

APPENDIX "A-3"

DRILL LOG 86-1 TO 86-10

Gewargis Geological Consulting Inc.

DDH NO. 86-1

DIAMOND DRILL RECORD

Page 1 / 1

LOCATION: South Unuk River, B.C. "DOC Property"

COLLAR	Northing	4+00SE
	Easting	---
	Elevation	1225m
DRILLED	Azimuth	220°
	Dip	-50°
	Depth	108.2m
Da·Mo·Yr·	Started	August 10, 1986
	Completed	August 14, 1986
	Logged	August 12, 1986
EQUIPMENT	Machine	Longyear Super 38
	Core Size	BQ
	Dip Tests	

REMARKS: Average recovery 91%

From 56.0 - 56.7m qtz vein with oxidized altered zone

From 62.5 - 63.7m broken core with reddish alteration

PURPOSE: To test mineralization occuring in Trench #14 Q-22 and northwest extension of Q-17 at depth.

RESULTS: No major mineralization was intersected by this hole.

GEOLOGIST: W. Gewargis — Da·Mo·Yr: December, 1986

DRILL HOLE LOG

LOCATION: South Unuk River, B.C.

HOLE No. 86-1 | PAGE NO. 1 of 6

AZIM: 220° | ELEV: 1225m

DIP: -50° | LENGTH: 108.2m

CORE SIZE: BQ

STARTED: August 10, 1986

COMPLETED: August 14, 1986

PURPOSE: To test Trench #14

CORE RECOVERY: 91%

PROPERTY: DOC

CLAIM NO: DOC Claims

SECTION: 4+00SE

LOGGED BY: W. Gewargis

DATE LOGGED: August 12, 1986

DRILLING CO: Longyear Canada

ASSAYED BY: Acme Lab, Vancouver

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM (M)	FOOTAGE TO (M)	LENGTH (M)	ASSAYS Au oz/t	ASSAYS Ag oz/t
0	0.6m	Overburden, no core recovered (casing)						
0.6	108.2m	Andesite: dark grn, fine-med. grained, with	8001	13.4	13.8	0.4	0.001	0.01
		scattered, qtz, chlorite, epidoite veinlets and						
		stringers through this section, ranging from few	8002	17.1	18.2	1.1	0.001	0.01
		centimeters in size. Trace of py. mineralization						
		with sections of highly fractured and broken core.	8003	29.8	30.2	0.4	0.001	0.04
			8004	30.2	30.8	0.6	0.001	0.02
		0.6 - 2.1m broken core, 1.2m recovered	8005	30.8	32.2	1.4	0.001	0.03
		2.7 - 2.9m broken core	8006	32.2	33.5	1.3	0.001	0.01
		7.3 - 7.6m broken core	8007	33.5	34.1	0.6	0.001	0.01
		10.7 - 10.9m broken core	8008	34.1	34.4	0.3	0.001	0.03
		13.3 - 14.0m broken core	8009	34.4	35.4	1.0	0.001	0.01
		14.0 - 25.0m generally good core with minor broken core						
		At 3.0m 1 cm wide qtz veinlet at right angle to core axis	8010	40.4	40.9	0.5	0.001	0.04
		At 3.6m - 1/2 cm wide qtz veinlet						
		8.7m - 2 cm fracture veinlets at 85° to core axis						
		At 12.9m - qtz patches with light grn chlorite alteration						
		From 13.4 - 13.8m broken core with qtz veinlets						
		and chloritic alteration with traces of pyrite						
		From 17.1 to 18.2m section of light grn chloritic						
		alteration with some sericite mainly at 17.2 -						
		36m wide, and qtz veinlets with trace of py.						
		From 18.2 to 25.0m scattered qtz veinlets few mm						
		in width at 75°-80° to core axis and the core						
		are slightly fractured at 45° to core axis.						

DRILL HOLE LOG

LOCATION: South Unuk River, B.C.

HOLE No. 86-1 | PAGE NO. 2 of 6

AZIM: 220° | ELEV: 1225m

DIP: -50° | LENGTH: 108.2m

CORE SIZE: BQ

STARTED: August 10, 1986

COMPLETED: August 14, 1986

PURPOSE: To test Trench #14

CORE RECOVERY: 91%

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY: DOC

CLAIM NO: DOC Claims

SECTION: 4+00SE

LOGGED BY: W. Gewargis

DATE LOGGED: August 12, 1986

DRILLING CO: Longyear Canada

ASSAYED BY: Acme Lab, Vancouver

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM (M)	FOOTAGE TO (M)	LENGTH (M)	ASSAYS Au oz/t	ASSAYS Ag oz/t
		From 25.0 - 25.5m broken core possible, major shear zone (west of qtz shear zone).						
		From 26.0 - 26.3m dark grn with qtz veinlets, chlorite and sericite alteration.						
		From 26.4 - 27.0m broken core up to 3 cm in size.						
		From 27.0 - 29.8m Section of good core within a a shear zone, with scattered few qtz veinlets few mm in size, at 80° - 85° to core axis.						
		From 29.8 - 57.3m major shear zone with badly broken core up to few centimeter in size, and section of oxidized, and scattered qtz, hematite mainly	8011	49.8	51.9	2.1	0.001	0.01
			8012	51.9	52.2	0.3	0.006	0.11
			8013	52.2	53.3	1.1	0.001	0.02
			8014	53.3	54.4	1.1	0.001	0.03
		From 29.8 - 30.2m with gouge	8015	54.4	54.7	0.3	0.002	0.02
		30.8 - 32.2m oxidized zone with qtz veinlets	8016	54.7	55.5	0.8	0.001	0.01
		34.1 - 34.4m oxidized zone with hematite and qtz veinlets.	8017	55.5	56.0	0.5	0.001	0.01
			8018	56.0	56.7	0.7	0.001	0.01
		Good core section up to 0.5m length mainly from 36.6 - 37.1m, 38.7 - 38.9m, 41.5 - 41.8m, 42.9-43.3m, 44.1 - 44.5, 47.1 - 47.5, 47.8 - 48.1m, 49.8 - 50.6m, 54.7 - 55.5m, 56.2 - 56.7m.						
		From 30.8 to 57.3m very broken core with core recovery up to 71.9% (only 7.45m core missing)						
		Major core missing sections mainly from 44.8 - 46.3m, 1.4m missing						
		49.7 - 52.1m 0.3m missing						
		Badly broken core from 38.1 to 42.8m, 48.4 - 49.7m with gouge mainly at 48.4m						

GEWARGIS GEOLOGICAL CONSULTING INC.

DRILL HOLE LOG

LOCATION: South Unuk River, B.C.

HOLE No. 86-1 | PAGE NO. 3 of 6

AZIM: 220° | ELEV: 1225m

DIP: - 50° | LENGTH: 108.2m

CORE SIZE: BQ

STARTED: August 10, 1986

COMPLETED: August 14, 1986

PURPOSE: To test Trench #14

CORE RECOVERY: 91%

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY: DOC

CLAIM NO: DOC Claims

SECTION: 4+00SE

LOGGED BY: W. Gewargis

DATE LOGGED: August 12, 1986

DRILLING CO: Longyear

ASSAYED BY: Acme Lab - Vancouver

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM (M)	FOOTAGE TO (M)	LENGTH (M)	ASSAYS Au oz/t	ASSAYS Ag oz/t
		From 51.9 - 54.6m with gouge, clay at 52m, 53.8m, also gouge at 56.1m.						
		From 40.4 to 40.5 qutz vein badly broken with trace of pyrite.						
		From 49.8 - 54.6m qtz vein intermixed with silicified andesite (this vein is associated with oxidized zone, with sulphide, gouge and most important zone is between 51.9m to 53.3m, 54.5 to 54.7m. The above zones are fractured, oxidized, with associated gouge, this might be one of the qtz vein structures within the main qtz shear zone.						
		At 51.9m the angle of intersection with the silicified andesite is 60° to core axis, at 54.5m is 60° and at 54.7m is 70° to core axis.						
		From 56.0 - 56.7m qtz vein with oxidized zone in silicified andesite, broken core from 56 - 56.2m with gouge, slightly fractured and associated with pyrite (trace).						
		From 57.3 - 61.9m broken core, dark grn andesite, small size of core up to 3 cm.	8019	57.6	58.8	1.2	0.001	0.02
			8020	58.8	60.0	1.2	0.001	0.01
			8021	60.0	61.0	1.0	0.001	0.01
		From 61.3 - 61.9m 0.3m core missing	8022	61.0	61.9	0.9	0.001	0.01
		From 61.9 - 62.5m good core of dark grn andesite with small qtz veinlets up to few mm in size at 85° to core axis, and small epidotite veinlets.						

DRILL HOLE LOG

LOCATION: South Unuk River, B.C.

HOLE No. 86-1 | PAGE NO. 4 of 6

AZIM: 220° | ELEV: 1225m

DIP: -50° | LENGTH: 108.2m

CORE SIZE: BQ

STARTED: August 10, 1986

COMPLETED: August 14, 1986

PURPOSE: To test Trench #14

CORE RECOVERY: 91%

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY: DOC

CLAIM NO: DOC Claims

SECTION: 4+00SE

LOGGED BY: W. Gewargis

DATE LOGGED: August 14, 1986

DRILLING CO: Acme Lab, Vancouver, B.C.

ASSAYED BY:

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM(M)	FOOTAGE TO(M)	LENGTH (M)	ASSAYS Au oz/t	ASSAYS Ag oz/t
		From 62.5 to 63.7m broken core with reddish	8023	61.9	62.7	0.8	0.001	0.01
		alteration.	8024	62.7	63.6	0.9	0.001	0.01
		From 64.9 - 65.4m broken core with gouge at						
		65.2m at 45° to core axis.						
		From 65.4 to 68.1m broken core with minor gouge	8025	63.6	64.6	1.0	0.001	0.01
		at 65.6, 65.7, 65.8 and 66.2m	8026	64.6	65.4	0.8	0.001	0.03
		From 66 - 75m light grn to dark grn andesite with	8027	65.4	66.4	1.0	0.001	0.01
		scattered qtz veinlets, gouge, trace of pyrite	8028	66.4	67.0	0.6	0.001	0.01
		mineralization epidotite and broken core.	8029	67.0	68.0	1.0	0.001	0.01
			8030	68.0	69.0	0.9	0.001	0.01
			8031	68.9	69.7	0.8	0.001	0.02
		From 67.2 - 68.0m scattered narrow qtz veinlets,	8032	69.7	70.7	1.0	0.001	0.01
		and gouge at 68.0m	8033	70.7	71.6	0.9	0.001	0.01
		At 71.4m gouge possible fault zone	8034	71.6	72.8	1.2	0.001	0.01
		At 73.0m gouge possible fault zone	8035	72.8	74.2	1.4	0.001	0.02
		From 70.4 - 70.7m 0.1m core missing	8036	74.2	75.0	0.8	0.001	0.03
		From 71.6- 72.4m 0.3m core missing	8037	75.0	75.5	0.5	0.001	0.01
		From 72.8 - 73.6m 0.4m core missing	8038	75.5	76.8	1.3	0.001	0.01
		From 74.3 to 77.2m dark grn. silicified andesite	8039	76.8	77.5	0.7	0.001	0.01
		with qtz veinlets and pyrite trace of chalco-	8040	77.5	78.1	0.6	0.001	0.01
		pyrite, with associated epidotite, possible						
		mineralization zone, with broken core and gouge						
		mainly from 74.3 to 75.0m.						
		At 75.8m - 2mm qtz veinlets at 65° to core axis.						
		At 76.8m - 2 cm qtz veinlets at 85° to core axis.						
		At 77.1m 2 cm qtz veinlets at 75° to core axis.						
		75.0 - 108m dark grn andesite, fine-medium grained						

LOCATION: South Unuk River, B.C.

DRILL HOLE LOG

HOLE No. 86-1 | PAGE NO. 5 of 6

AZIM: 220° | ELEV: 1225m

DIP: -50° | LENGTH: 108.2m

CORE SIZE: BQ

STARTED: August 10, 1986

COMPLETED: August 14, 1986

PURPOSE: To test Trench #14

CORE RECOVERY: 91%

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY: DOC

CLAIM NO: DOC Claims

SECTION: 4+00SE

LOGGED BY: W. Gewargis

DATE LOGGED: August 14, 1986

DRILLING CO: Longyear Canada

ASSAYED BY: Acme Lab, Vancouver, B.C.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM(M)	FOOTAGE TO(M)	LENGTH (M)	ASSAYS Ag oz/t	ASSAYS Ag oz/t
		resembling the above.						
		Section from 0 - 88m, good core with fine stringer of epidotite up to 10% and narrow qtz veinlets at 70° - 85° to core axis.	1					
		At 80m - 1/2 cm qtz veinlet with trace of pyrite at 55° to core axis.						
		At 80.6 - 80.7m epidotite and qtz veinlets at 65° to the core axis.						
		From 86.2 - 86.4 broken core with trace of pyrite within oxidized zone.	8041	86.0	86.3	0.3	0.001	0.01
		From 90.1 - 90.2 epidotite and qtz veinlets.						
		From 94.2 - 94.5 broken core with qtz, oxidized and trace of pyrite gouge, fracture with epidotite	8042	94.2	94.6	0.4	0.002	0.01
			8043	94.6	95.3	0.7	0.001	0.02
		From 94.7 - 95.3 Broken core with qtz veinlets, epidotite, gouge from 95.1 - 95.2m with trace of pyrite.						
		From 95.7 - 96.2m broken core						
		From 102.8 - 106.6m broken core with gouge at 105.6m and 106.3m with fracture at low angle to core axis.						
		From 107.2 - 107.3 dark grn andesite, broken core with fracture at low angle to core axis,						

DRILL HOLE LOG

LOCATION: South Unuk River, B.C.

HOLE No. 86-1

AZIM: 220° ELEV: 1225

DIP: -50° LENGTH: 108.2m

CORE SIZE: BQ

STARTED: August 10, 1986

COMPLETED: August 14, 1986

PURPOSE: To test Trench #14

CORE RECOVERY: 91%

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY: DOC

CLAIM NO: DOC claims

SECTION: 4+00SE

LOGGED BY: W. Gewargis

DATE LOGGED: August 14, 1986

DRILLING CO: Longyear Canada

ASSAYED BY: Acme Lab, Vancouver, B.C.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM (M)	FOOTAGE TO (M)	LENGTH (M)	ASSAYS Au oz/t	ASSAYS Ag oz/t
		scattered trace of pyrite, epidotite and qtz						
		veinlets throughout this section.						
		End of Hole at 108.2m.						

GEWARGIS GEOLOGICAL CONSULTING INC.

DDH NO. 86-2

DIAMOND DRILL RECORD

LOCATION: South Unuk River, B.C. "DOC Property"

COLLAR	Northing	4+00SE
	Easting	---
	Elevation	1225m
DRILLED	Azimuth	202°
	Dip	-50°
	Depth	68.6m
Da·Mo·Yr·	Started	August 14, 1986
	Completed	August 17, 1986
	Logged	August 16, 1986
EQUIPMENT	Machine	Longyear Super 38
	Core Size	BQ
	Dip Tests	

REMARKS: Average recovery 88%

From 50 - 56.2m shear limonitic, oxidized zone, badly broken core.

From 56.2 - 57.1m qtz vein, slightly fractured with disseminated pyrite, hematite, galena and trace of chalcopyrite.

PURPOSE: To test mineralization occuring in Trench #5 at depth.

RESULTS: From 46.4m - 50.0m, assayed 0.002 oz/ton Au, 0.08 oz/ton Ag shear zone, limonitic, trace pyrite.

GEOLOGIST: W. Gewargis — Da·Mo·Yr: December, 1986

DRILL HOLE LOG

LOCATION: South Unuk River, B.C.

HOLE No. 86-2 | PAGE NO. 1 of 5

AZIM: 202° | ELEV: 1225m

DIP: -50° | LENGTH: 68.6m

CORE SIZE: BQ

STARTED: August 14, 1986

COMPLETED: August 17, 1986

PURPOSE: To test Trench #5

CORE RECOVERY: 88.0%

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY: DOC

CLAIM NO: DOC Claims

SECTION: 4+00SE

LOGGED BY: W. Gewargis

DATE LOGGED: August 16, 1986

DRILLING CO: Longyear Canada

ASSAYED BY: Acme Lab, Vancouver, B.C.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM (M)	FOOTAGE TO (M)	LENGTH (M)	ASSAYS Ag oz/t	ASSAYS Ag oz/t
0	0.6m	Casing, no core recovery.						
0.6	46.4m	Andesite: dark grn, fine to medium grained with scattered small secondary qtz veinlets ranging from 1mm to few mm in size at 70° - 85° to core axis, slightly fractured with broken core sections mainly from 0.6 - 2.5m, 6.7 - 7.1m, 10.3 - 10.4m with gouge and clay, 11.8 - 13.5m, 14.1 - 14.3m						
		From 14.2 - 15.0m broken core, slightly fractured with oxidized material, qtz veinlets at 15.0m few mm in size.	8044	14.2	15.0	0.8	0.001	0.04
		From 15 - 21.8m good core with small sections of broken core mainly from 16.2 - 16.8m (up to 10 cm in length), dark grn andesite with scattered narrow veinlets of qtz and epidotite.	8045	18.9	19.2	0.3	0.007	0.07
			8046	19.9	20.3	0.4	0.001	0.01
		From 17 - 17.2m light color pheocrysts.						
		From 18.8 - 18.9m qtz veinlets, brecciated, slightly fractured.						
		From 19.9 - 20.3m qtz veinlets with epidotite chlorite alteration, slightly fractured (oxidized zone).						
		From 21.5 - 21.6m section of light grn color of epidotite with trace of pyrite mineralization.						
		21.8 - 23.0m dark grn andesite with section of white color qtz veinlets with associated	8047	21.8	22.6	0.8	0.003	0.02
			8048	22.6	23.0	0.4	0.001	0.01

DRILL HOLE LOG

LOCATION: South Unuk River, B.C.		HOLE No. 86-1	PAGE NO. 2 of 5
AZIM: 202°	ELEV: 1225m	PROPERTY: DOC	
DIP: -50°	LENGTH: 68.6m		
	CORE SIZE: BQ		
STARTED: August 14, 1986		CLAIM NO: DOC Claims	
COMPLETED: August 17, 1986		SECTION: 4+00SE	
PURPOSE: To test Trench #5		LOGGED BY: W. Gewargis	
		DATE LOGGED: August 16, 1986	
CORE RECOVERY: 88.5%		DRILLING CO: Longyear Canada	
		ASSAYED BY: Acme Lab, Vancouver, B.C.	

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM(M)	FOOTAGE TO(M)	LENGTH (M)	ASSAYS Au oz/t	ASSAYS Ag oz/t
		trace of pyrite, mainly from 22.2m - 2cm wide,	8049	21.8	22.6	0.8	0.003	0.02
		at 22.2m - 5 cm wide at 80° to core axis	8050	24.3	24.7	0.3	0.001	0.02
		At 23.3m - 7 cm wide, from 22.6 - 23m patch of	8051	24.7	25.0	0.3	0.001	0.001
		white qtz veinlets within the dark grn andesite.	8052	25.0	25.4	0.4	0.001	0.04
			8053	25.4	25.8	0.4	0.001	0.01
			8054	25.8	26.8	1.0	0.001	0.03
		From 24.3 - 25.8m light grn, andesite with						
		oxidized zone throughout this section, and						
		white - white grey qtz veinlets at right angle						
		to core axis.						
		Limonitic - oxidized zone from 24.3 - 24.7m, 25.4						
		- 25.8m and finally qtz vein from 24.7 - 25.0m.						
		From 26.5 - 26.7m patches of qtz and limonitic						
		zone.						
		From 31.0 - 34.5 broken core, fractured with						
		gouge and limonitic zone mainly from 33.7 -						
		34.7m with gouge at 33.7m, 34.2, 34.4m.						
		At 32.6 - 0.3m core missing (caving).						
		From 34.7 - 35.3 dark grn andesite with qtz						
		veinlets and broken core.						
		From 35.3 - 36.7m qtz veinlets within fractured						
		andesite, with gouge mainly at 36.4m	8055	33.7	34.7	1.0	0.002	0.04
		From 35.3 - 36.7 this possibly a mineralized	8056	34.7	35.3	0.6	0.001	0.01
		zone with highly limonitic alteration.	8057	35.3	36.7	1.4	0.001	0.03
			8058	36.7	37.5	1.0	0.001	0.02
			8059	37.5	38.7	1.2	0.002	0.02
		From 37.0 - 40.0m broken core up to 5 - 10 cm in	8060	38.7	39.3	0.6	0.001	0.03

LOCATION: South Unuk River, B.C.

DRILL HOLE LOG

HOLE No. 86-2 | PAGE NO. 3 of 5

AZIM: 202° | ELEV: 1225m
DIP: -50° | LENGTH: 68.6m
CORE SIZE: BQ

STARTED: August 14, 1986
COMPLETED: August 17, 1986
PURPOSE: To test Trench #5

CORE RECOVERY: 88.5%

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY: DOC
CLAIM NO: DOC Claims
SECTION: 4+00SE
LOGGED BY: W. Gewargis
DATE LOGGED: August 16, 1986
DRILLING CO: Longyear Canada
ASSAYED BY: Acme Lab, Vancouver, B.C.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM(M)	FOOTAGE TO(M)	LENGTH (M)	ASSAYS Au oz/t	ASSAYS Ag oz/t
		size with gouge, clay mainly at 38 - 38.1m, 38.5	8061	39.3	40.0	0.7	0.001	0.02
		- 38.6m, 38.9 - 39.0m, 39.5 - 39.6m, and	8062	40.0	40.5	0.5	0.001	0.02
		finally at 40.0m.	8063	40.5	41.1	0.6	0.001	0.01
			8064	41.1	42.4	1.3	0.001	0.02
		From 40.5 - 40.7 qtz veinlets few mm in size at						
		low ange to core axis with gouge and trace of						
		pyrite.						
		From 40.7 - 41.1m dark grn andesite with qtz vein-						
		lets and limonitic zone. Within this section						
		there is 0.3m core missing.						
		From 41.1 - 46.4 dark grn andesite with stringer						
		of qtz veinlets mainly at 43.0m - 1 cm wide,						
		44.2m - 1 cm wide.						
		From 45.9 - 46.4m broken core, slightly fractured						
		with qtz veinlets at 70° - 85° to core axis.						
46.4m	50.0m	Shear zone, limonitic, light brown with gouge,	8065	45.7	46.4	0.7	0.001	0.01
		clay mainly at 48.4m, 48.7m, 49.3m with trace	8066	46.4	48.8	2.4	0.001	0.04
		of pyrite mineralization	8067	48.8	50.0	1.2	0.006	0.05
		From 46.4 - 50m broken core up to 5 cm in size,						
		from 46.4 - 47.2 missing core (0.6m) and from						
		47.2 - 48.2m 1.0m core missing.						
50m	56.2m	Shear, limonitic and oxidized zone, similar to the	8068	50.0	51.1	1.1	0.001	0.02
		above, only less broken core. Sections of	8069	51.1	52.0	0.9	0.001	0.01
		broken core mainly from 50 - 50.2m, 50.7 - 54.9m	8070	52.0	53.0	1.0	0.001	0.01
		with gouge, clay at 51m, 51.4m, 51.5m.	8071	53.0	54.2	1.2	0.001	0.01

LOCATION: South Unuk River, B.C.

DRILL HOLE LOG

HOLE No. 86-2 | PAGE NO. 4 of 5

AZIM: 202° | ELEV: 1225m
DIP: -50° | LENGTH: 68.6m
CORE SIZE: BQ
STARTED: August 14, 1986
COMPLETED: August 17, 1986
PURPOSE: To test Trench #5
CORE RECOVERY: 88.5%

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY: DOC
CLAIM NO: DOC Claims
SECTION: 4+00SE
LOGGED BY: W. Gewargis
DATE LOGGED: August 18, 1986
DRILLING CO: Longyear Canada
ASSAYED BY: Acme Lab, Vancouver, B.C.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM(M)	FOOTAGE TO(M)	LENGTH (M)	ASSAYS Au oz/t	ASSAYS Ag oz/t
		Badly broken core from 52.8 - 54.9m.	8072	54.2	55.3	0.9	0.001	0.03
		Core missing from 51.5 - 53.0m (0.1m core missing	8073	55.3	56.2	0.9	0.001	0.01
		53 - 53.6m (0.3m missing), 53.6 - 53.9m (0.3m	8074	56.2	57.1	0.9	0.001	0.02
		missing, 53.9 - 54.6 (0.4m core missing).	8075	57.1	57.8	0.7	0.001	0.01
		From 55.5 - 56.2m limonitic, oxidized zone slightly fractured at 20° to core axis with trace of pyrite mineralization.						
56.2	57.1m	Qtz vein, good core, slightly fractured, with fine disseminated pyrite, hematite, galena and trace of chalcopyrite mineralization throughout this section mainly from 56.6 - 56.8m.						
		At 56.2m - qtz vein at 20° to core axis.						
		At 57m - qtz vein at 75° to core axis.						
57.1	68.6	Andesite: dark grn, fine-medium grained with good core section only small sections of broken core mainly from	8076	61.5	62.3	0.8	0.001	0.01
			8077	62.3	63.1	0.8	0.001	0.01
			8078	63.1	63.8	0.7	0.001	0.03
		63.1 - 63.4m with gouge at 63.4m,	8079	63.8	64.2	0.4	0.001	0.03
		63.8 - 65.0m gouge, 65.9 - 66,	8080	64.2	64.6	0.4	0.001	0.01
		66.2 - 66.3m, 67.8 - 68.6 gouge at 64.8m	8081	67.4	67.7	0.3	0.001	0.01
		Section of epidotite, qtz veinlets and trace of pyrite scattered through this unit mainly from 60.9 - 61.0m, epidotite, qtz vein at 41° to core axis. 61.5 - 62.2m						

DRILL HOLE LOG

LOCATION: South Unuk River, B.C.

HOLE No. 86-2 | PAGE NO. 5 of 5

AZIM: 202° | ELEV: 1225m

DIP: -50° | LENGTH: 68.6m

CORE SIZE: BQ

STARTED: August 14, 86

COMPLETED: August 17, 1986

PURPOSE: To test Trench #5

CORE RECOVERY: 88.5%

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY: DOC

CLAIM NO: DOC Claims

SECTION: 4+00SE

LOGGED BY: W. Gewargis

DATE LOGGED: August 18, 1986

DRILLING CO: Longyear Canada

ASSAYED BY: Acme Lab. Vancouver, B.C.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM (M)	FOOTAGE TO (M)	LENGTH (M)	ASSAYS Au oz/t	ASSAYS Ag oz/t
		Sections of limonitic, oxidized zone with gouge, qtz veinlets mainly from 63.1 - 63.4m, 63.8 - 64.1m.						
		From 67.4 - 67.7m qtz veinlet within dark grn andesite with trace of pyrite and stringer of epidotite.						

GEWARGIS GEOLOGICAL CONSULTING INC.

DDH NO. 86-3

DIAMOND DRILL RECORD

LOCATION: South Unuk River, B.C. "DOC Property"

COLLAR	Northing	4+00SE
	Easting	---
	Elevation	1225m
DRILLED	Azimuth	202°
	Dip	-75°
	Depth	108.2m
Da·Mo·Yr·	Started	August 18, 1986
	Completed	August 20, 1986
	Logged	August 19, 1986
EQUIPMENT	Machine	Longyear Super 38
	Core Size	BQ
	Dip Tests	

REMARKS: Core recovery 97%

From 89.7 - 94.0m mineralized zone, oxidized - limonitic, qtz vein with disseminated pyrite throughout this section, with trace of galena.

PURPOSE: To test downdip extension of Q-17, Q-22 at this location and at depth.

RESULTS: Mineralized zone from 89.7m - 94.0m assayed 0.069 oz/ton Au, 0.33 oz/ton Ag OR From 91.4 - 93.0m assayed 0.156 oz/ton Au, 0.81 oz/ton Ag.

GEOLOGIST: W. Gewargis — Da·Mo·Yr: December, 1986

DRILL HOLE LOG

LOCATION: South Unuk River, B.C.		HOLE No. 86-3	PAGE NO. 1 of 7
AZIM: 202°	ELEV: 1225m	PROPERTY: DOC	
DIP: -75°	LENGTH: 108.2m	CLAIM NO: DOC Claims	
	CORE SIZE: BQ	SECTION: 4+00SE	
STARTED: August 18, 1986		LOGGED BY: W. Gewargis	
COMPLETED: August 20, 1986		DATE LOGGED: August 19, 1986	
PURPOSE: To test down dip extensions of Q17-22 Qtz vein		DRILLING CO: Longyear Canada	
CORE RECOVERY: 97%		ASSAYED BY: Acme Lab, Vancouver, B.C.	

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM(M)	FOOTAGE TO(M)	LENGTH (M)	ASSAYS Au oz/t	ASSAYS Ag oz/t
0	0.6m	Casing, no core recovered						
0	67.0m	Andesite: dark grn, fine-medium grained, broken core mainly from 0.6 - 6.0m, 10.9 - 11.1m, 11.7 - 12.1m, 14 - 14.1m, 14.7 - 14.8m, 19.8 - 20.3m, 21.5 - 21.6m, 22 - 22.2m, 22.9 - 23m, and from 26.7 - 27.2m	8082	15.7	16.2	0.5	0.001	0.01
		Scattered epidotite stringers throughout the above section, mainly from 12.0 - 17.3m with folded structure from 12.9 - 13.1m, 23.6-24.8mm	8083	21.9	22.4	0.5	0.001	0.01
		Small qtz veinlets with epidotite, limonitic alteration mainly from 15.7 - 16.2m, 21.9 - 22.4m						
		27.3 - 32.5m small white plasioclase specks within the fine ground mass with porphyritic texture with narrow small qtz/epidotite veinlets at 90° to core axis.						
		From 32.9 - 35.3m broken core with section of limonitic alteration with qtz veinlets mainly from 34.4 - 35.3m	8084	34.9	35.3	0.4	0.001	0.01
		At 35.3m qtz veinlets 1 cm wide at 45° to core axis.						
		From 35.3 - 51.2m scattered patches of qtz veinlets, white in color, epidotite - chloritic alteration, qtz veinlets occur mainly at 36.4m 39.4m small patches of qtz.						

DRILL HOLE LOG

LOCATION: South Unuk River, B.C.

HOLE No. 86-3 | PAGE NO. 2 of 7

AZIM: 202° | ELEV: 1225m
DIP: -75° | LENGTH: 108.2m
CORE SIZE: BQ
STARTED: August 18, 1986
COMPLETED: August 20, 1986
PURPOSE: To test downdip extension of Q17 - 22 qtz vein
CORE RECOVERY: 97%

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY: DOC
CLAIM NO: DOC Claims
SECTION: 4+00SE
LOGGED BY: W. Gewargis
DATE LOGGED: August 19, 1986
DRILLING CO: Longyear Canada
ASSAYED BY: Acme Lab, Vancouver, B.C.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM(M)	FOOTAGE TO(M)	LENGTH (M)	ASSAYS Ag oz/t	ASSAYS Ag oz/t
		At 40.2 - few mm wide qtz veinlets with trace of pyrite at 70° to core axis.						
		From 41 - 41.2m white color qtz patch up to 1 cm in size with pinkish plagioclase. At 41.4m small patch of qtz veinlets.						
		From 44.2 - 44.4m qtz veinlets with trace of pyrite and epidotite and broken core.	8085	44.2	44.5	0.3	0.001	0.01
		From 35.3 - 51.5m small specks of white phenocrysts, within the fine ground mass (plagioclase) porphyritic texture.						
		Broken core from 46.6 - 46.7m, 49.8 - 50.0m and 51.7 - 51.9m						
		From 56.3 - 56.4m Limonitic, slightly fractured shear zone with trace of pyrite at 80° - 90° to core axis.	8086	56.3	56.6	0.3	0.001	0.01
		From 59.1 - 59.2 stringer of qtz, with limonitic trace of pyrite mineralization.	8087	59.1	59.4	0.3	0.001	0.01
		From 62.1 - 62.6m broken core, slightly fractured with scattered thin stringer of epidotite.						
		From 63.0 - 63.15m qtz vein with limonitic, pyrite and hematite mineralization, slightly fractured, at 63.0m - qtz vein at 55° to core axis.	8088	62.6	63.0	0.4	0.001	0.01
			8089	63.0	63.2	0.2	0.001	0.01
			8990	63.2	63.7	0.5	0.001	0.01

LOCATION: South Unuk River, B.C.

DRILL HOLE LOG

HOLE No. 86-3 | PAGE NO. 3 of 7

AZIM: 202° | ELEV: 1225m

DIP: -75° | LENGTH: 108.2m

CORE SIZE: BQ

STARTED: August 18, 1986

COMPLETED: August 20, 1986

PURPOSE: To test downdip extensions of Q17 - 22 qtz vein

CORE RECOVERY: 97%

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY: DOC

CLAIM NO: DOC Claims

SECTION: 4+00SE

LOGGED BY: W. Gewargis

DATE LOGGED: August 19, 1986

DRILLING CO: Longyear Canada

ASSAYED BY: Acme Lab, Vancouver, B.C.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM(M)	FOOTAGE TO(M)	LENGTH (M)	ASSAYS Au oz/t	ASSAYS Ag oz/t
		At 63.6 - 5 cm wide qtz vein, limonitic - oxidized						
		zone with disseminated pyrite, hematite at 70°	8091	66.5	67.0	0.5	0.001	0.01
		to core axis.	8092	67.0	68.1	1.1	0.001	0.02
			8093	68.1	68.6	0.5	0.001	0.02
		At 65.6 - 1 cm white qtz vein.	8094	68.6	69.9	1.3	0.001	0.01
		From 65.6 - 67.0m broken core fractured with	8095	69.9	70.7	0.8	0.001	0.01
		small (narrow) stringer veinlets of qtz.	8096	70.7	71.2	0.4	0.001	0.01
			8097	71.2	71.9	0.7	0.001	0.01
			8098	71.9	72.7	0.8	0.001	0.01
67	73.8m	Silicified andesite: Light grn, fine grained with	8099	72.7	73.8	1.1	0.001	0.01
		20 - 50% qtz, epidotite, and slightly fractured	8100	73.8	74.3	0.5	0.001	0.01
		and broken core in some sections.						
		Scattered desseminated fine - medium pyrite						
		ranging from bright to dull yellow color.						
		From 67 - 67.5m broken core with gouge and						
		fracture at 25° to core axis.						
		From 67 - 68.1m qtz up to 20% within andesite						
		slightly fractured at low ange to core axis.						
		From 68.6 - 69.9m highly silicified epidotite,						
		section with disseminated pyrite throughout this						
		section, slightly fractured with up to 15 - 25%						
		qtz epidotite.						
		69.9 - 70.7 dark grn andesite with less than 1%						
		qtz and up to 3 - 5% stringer of epidotite.						

DRILL HOLE LOG

LOCATION: South Unuk River, B.C.

HOLE No. 86-3 | PAGE NO. 4 of 7

AZIM: 202° | ELEV: 1225m

DIP: -75° | LENGTH: 108.2m

CORE SIZE: BQ

STARTED: August 18, 1986

COMPLETED: August 20, 1986

PURPOSE: To test downdip extensions of Q17 - 22 qtz vein

CORE RECOVERY: 97%

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY: DOC

CLAIM NO: DOC Claims

SECTION: 4+00SE

LOGGED BY: W. Gewargis

DATE LOGGED: August 19, 1986

DRILLING CO: Longyear Canada

ASSAYED BY: Acme Lab, Vancouver, B.C.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM (M)	FOOTAGE TO (M)	LENGTH (M)	ASSAYS Au oz/t	ASSAYS Ag oz/t
		From 70.7 - 71.2m epidotite - qtz up to 10 - 15% with scattered disseminated pyrite.						
		From 71.2 - 71.9m dark grn andesite with small veinlets of qtz, epidotite less than 5%						
		From 71.9 - 73.8m light grn andesite with epidotite - qtz veinlets up to 50% slightly fractured and broken core mainly from 72.3 - 72.7m, where qtz veinlets occur scattered disseminated pyrite throughout this unit.						
73.8	89.7m	Andesite: dark grn, fine - medium grained with slightly fractured with scattered fine stringer of epidotite at 70° - 80° to core axis and qtz vein with disseminated - trace of pyrite.	8101	76.3	76.6	0.3	0.001	0.02
			8102	77.7	78.9	1.2	0.001	0.01
			8103	78.9	79.7	0.8	0.001	0.01
			8104	79.7	80.2	0.5	0.001	0.01
		At 74.5m - few mm wide qtz veinlets along fracture zone at 30° to core axis.						
		At 76.5 - 5 cm wide qtz veinlets with coarse pyrite bright yellow in color up to 10% at 60° to core axis.						
		From 77.7 - 78.9m epidotite - qtz veinlets within dark grn andesite up to 60% with scattered pyrite, slightly fractured and broken core.						
		From 79.7 - 80.1m dark grn andesite with 40% epidotite - qtz veinlets with disseminated pyrite.						

LOCATION: South Unuk River, B.C.

DRILL HOLE LOG

HOLE No. 86-3 | PAGE NO. 5 of 7

AZIM: 202° | ELEV: 1225m
DIP: -75° | LENGTH: 108.2m
CORE SIZE: BQ
STARTED: August 18, 1986
COMPLETED: August 20, 1986
PURPOSE: To test downdip extensions of Q17 - 22 qtz vein
CORE RECOVERY: 97%

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY: DOC
CLAIM NO: DOC Claims
SECTION: 4+00SE
LOGGED BY: W. Gewargis
DATE LOGGED: August 19, 1986
DRILLING CO: Longyear Canada
ASSAYED BY: Acme Lab, Vancouver, B.C.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM(M)	FOOTAGE TO(M)	LENGTH (M)	ASSAYS Au oz/t	ASSAYS Ag oz/t	
		From 80.9 - 81.35m 20% epidotite with qtz and trace of pyrite, epidotite at low angle and qtz at 70% to core axis.							
		From 81.8 - 82.2m narrow epidotite stringer with disseminated pyrite at low angel to core axis.							
		From 84.6 - 85.0m qtz vein with limonitic oxidized zone with pyrite, trace of galena, hematite, slightly fractured and broken core.	8105	84.1	84.6	0.5	0.001	0.01	
			8106	84.6	85.0	0.4	0.024	0.06	
			8107	85.0	85.6	0.6	0.001	0.01	
			8108	85.6	86.9	1.3	0.001	0.01	
			8109	86.9	87.8	0.9	0.001	0.01	
			8110	87.8	88.7	0.9	0.001	0.01	
		85 - 85.6m silicified andesite with scattered pyrite mineralization.	8111	88.7	89.7	1.0	0.001	0.01	
			8112	89.7	91.6	1.3	0.021	0.05	
			8113	91.0	91.4	0.4	0.034	0.09	
		From 85.6 - 88.7m dark grn andesite with broken core mainly from 85.6 to 85.9m, 86.2 to 87.1m with cave section at 87.1m, 87.5 - 88.7m.	8114	91.4	92.0	0.6	0.106	0.55	0.069 oz/t Au, 0.33 oz/t Ag across 4.3m OR 0.156 oz/t Au, 0.81 oz/t Ag across 1.6.
			8115	92.0	92.5	0.5	0.027	0.07	
			8116	92.5	93.0	0.5	0.344	1.88	
		Scattered narrow veinlets of sericite, epidotite and qtz veinlets at 75° - 80° to core axis.	8117	93.0	94.0	1.0	0.007	0.02	
			8118	94.0	95.0	1.0	0.001	0.01	
		Slightly fractured with specks of pyrite, galena along the fracture zone mainly at 86.7m.	8119	95.0	95.3	0.3	0.001	0.01	
			8120	95.3	96.3	0.5	0.001	0.01	
			8121	96.3	97.2	0.9	0.004	0.03	
		From 88.7 - 89.7m light brown limonitic - oxidized zone, slightly fractured with broken core and trace of pyrite and galena.	8122	97.2	97.9	0.7	0.001	0.02	
			8123	97.9	99.2	1.3	0.001	0.01	
89.7	94.0m	Mineralized zone: oxidized - limonitic qtz vein with disseminated pyrite throughout this section with some specks of galena.							

DRILL HOLE LOG

LOCATION: South Unuk River, B.C.

HOLE No. 86-3 | PAGE NO. 6 of 7

AZIM: 202° | ELEV: 1225m

DIP: -75° | LENGTH: 108.2m

CORE SIZE: BQ

PROPERTY: DOC

STARTED: August 18, 1986

COMPLETED: August 20, 1986

PURPOSE: To test downdip extensions of Q17-22 qtz vein

CORE RECOVERY: 97%

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

CLAIM NO: DOC Claims

SECTION: 4+00SE

LOGGED BY: W. Gewargis

DATE LOGGED: August 19, 1986

DRILLING CO: Longyear Canada

ASSAYED BY: Acme Lab, Vancouver, B.C.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM(M)	FOOTAGE TO(M)	LENGTH (M)	ASSAYS Au oz/t	ASSAYS Ag oz/t
		From 89.8 - 91m section of silicified andesite with disseminated pyrite.						
		From 91 - 91.4m broken core, highly limonitic with qtz and pyrite.						
		From 91.4 - 92.0m qtz veinlets with limonitic.						
		From 92 - 92.5m broken core within the limonitic - oxidized zone.						
		From 92.5 - 94.0m good core/qtz vein with pyrite, limonitic, oxidized, slightly fractured with pyrite and trace of galena.						
		89.7 - 91m qtz veinlets at 20° to core axis.						
		At 91.4m qtz veinlets at 40° to core axis At 93.1m qtz veinlets at 68° to core axis						
		At 94.0m qtz veinlets at 45° to core axis						
94	99.2m	Silicified andesite: this section is located on footwall of the mineralized zone and consists of light to dark grn andesite with section of qtz veinlets, limonitic and epidotite alteration. Slightly fractured and broken core mainly from 95.25 - 95.4m, 97.4 - 97.8m.						
		From 94 - 95.0m silicified andesite with narrow stringer of qtz veinlets at 65° - 85° to core						

DRILL HOLE LOG

LOCATION: South Unuk River, B.C.

HOLE No. 86-3 | PAGE NO. 7 of 7

AZIM: 202° | ELEV: 1225m

DIP: -75° | LENGTH: 108.2m

CORE SIZE: BQ

STARTED: August 18, 1986

COMPLETED: August 20, 1986

PURPOSE: To test downdip extensions of Q17 - 22 qtz vein

CORE RECOVERY: 97%

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY: DOC

CLAIM NO: DOC Claims

SECTION: 4+00SE

LOGGED BY: W. Gewargis

DATE LOGGED: August 20, 1986

DRILLING CO: Longyear Canada

ASSAYED BY: Acme Lab, Vancouver, B.C.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM (M)	FOOTAGE TO (M)	LENGTH (M)	ASSAYS
		axis, with small section of limonitic qtz vein from 94.6 - 94.7m.					
		From 95 - 95.5m limonitic qtz vein with trace of pyrite - galena and 0.3m (core missing).					
		From 95.5 - 96.3m silicified andesite with qtz - limonitic, epidotite alteration with trace of pyrite, and qtz is 45° to core axis.					
		From 96.3 - 97.2m limonitic, qtz vein with pyrite - hemitite mineralization.					
		From 97.2 - 99.2m silicified andesite with limonitic section from 97.2 - 97.9m and broken core from 97.5 - 97.8m. At 98.7m qtz veinlets at 35° to core axis.					
99.2	108.2m	Andesite: dark grn, fine grained ground mass with scattered stringer of narrow qtz veinlets few mm in size at 60° - 80° to core axis and small stringer of epidotite at low ange to core axis.	8124	107.7	108.2	0.5	0.001 0.01
		Broken core from 101.5 - 102.0m, 105 - 105.3m. From 107.7 - 108.2m qtz - epidotite veinlets with trace of pyrite.					
		End of Hole at 108.2m.					

DDH NO. 86-4

DIAMOND DRILL RECORD

LOCATION: South Unuk River, B.C. "DOC Property"

COLLAR	Northing	0+75SE
	Easting	---
	Elevation	1231m
DRILLED	Azimuth	210°
	Dip	- 60°
	Depth	71.0m
Da·Mo·Yr·	Started	August 21, 1986
	Completed	August 22, 1986
	Logged	August 22, 1986
EQUIPMENT	Machine	Longyear Super 38
	Core Size	BQ
	Dip Tests	

REMARKS: Core recovery 98%

From 62.9 - 66.1m mineralized zone, consisting of qtz vein white - milky with pyrite mineralization with broken core and gouge at 64.0m broken core and gouge 64.0m

PURPOSE: To test the massive sulphide mineralization occuring in Trench #12 at depth.

RESULTS: From 62.9 - 66.1m mineralized zone - assayed 0.023 oz/ton Au, 0.145 oz/ton Ag

GEOLOGIST: W. Gewargis — Da·Mo·Yr: December, 1986

DRILL HOLE LOG

LOCATION: South Unuk River, B.C.

HOLE No. 86-4 | PAGE NO. 1 of 4

AZIM: 210° | ELEV: 1231m

DIP: -60° | LENGTH: 71m

CORE SIZE: BQ

STARTED: August 21, 1986

COMPLETED: August 22, 1986

PURPOSE: To test massive sulphide in Trench #12

CORE RECOVERY: 98%

PROPERTY: DOC

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

CLAIM NO: DOC Claims

SECTION: 0+75SE

LOGGED BY: W. Gewargis

DATE LOGGED: August 22, 1986

DRILLING CO: Longyear Canada

ASSAYED BY: Acme Lab, Vancouver, B.C.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM(M)	FOOTAGE TO(M)	LENGTH (M)	ASSAYS Au oz/t	ASSAYS Ag oz/t
0	2.1m	Casing: no core recovered.						
2.1	62.9m	Andesite: fine-medium grained, dark grn in color, with epidotite - qtz veinlets (narrow) stringer up to fractions of mm in size at 70° - 90° to core axis, scattered throughout this section.						
		From 2.1 - 8.2m slightly fractured and broken core with core up to 10 - 20 cm in length mainly at 3.0m, 4.0m, 6.7m. Also broken core From 10.1 - 11.9m, 11.8 - 12.1m, 12.7 - 14.8m, 18.8 - 19.0m, 27.4 - 27.7m.	8125	12.5	12.8	0.3	0.001	0.03
		From 8.9 - 9.4m scattered qtz veinlets - epidotite throughout this section.						
		At 10.8m - 1 cm of qtz veinlets with limonitic alteration at 60° to core axis.						
		At 12.5 - 12.8m broken core - qtz veinlets with trace of pyrite, hematite and epidotite.						
		At 15.2m - 1 cm qtz veinlets at 80° to core axis.						
		At 16.2m - 5 cm wide qtz veinlets at 90° to core axis.						
		At 20.4m - 5 cm qtz veinlets with trace of pyrite at 80° to core axis.						
		From 21.6 - 21.8m qtz veinlets with trace of pyrite, epidotite and white phenocrysts. Qtz veinlets at 60° to core axis.	8126	21.6	21.9	0.3	0.001	0.01

DRILL HOLE LOG

LOCATION: South Unuk River, B.C.

HOLE No. 86-4 | PAGE NO. 2 of 4

AZIM: 210° | ELEV: 1231m

DIP: -60° | LENGTH: 71m

CORE SIZE: BQ

STARTED: August 21, 1986

COMPLETED: August 22, 1986

PURPOSE: To test massive sulphide in Trench #12

CORE RECOVERY: 98%

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY: DOC

CLAIM NO: DOC Claims

SECTION: 0+75SE

LOGGED BY: W. Gewargis

DATE LOGGED: August 22, 1986

DRILLING CO: Longyear Canada

ASSAYED BY: Acme Lab, Vancouver, B.C.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM(M)	FOOTAGE TO(M)	LENGTH (M)	ASSAYS Au oz/t	ASSAYS Ag oz/t
		At 22.1m small patches of qtz within the dark grn andesitic ground mass.						
		From 24.2 - 24.6m stringer of qtz veinlets, epidotite intermixed with dark grn andesite at 85° - 90° to core axis and about few mm in size.						
		At 27.5m gouge - clay within the broken core from 27.4 - 27.7m.						
		From 30.1 - 30.5m light grn altered andesite.						
		From 33.2 - 35.1m broken core.						
		From 35.1 - 35.5m light grn andesite with limonitic alteration, slightly fractured.						
		From 35.4 - 41.4m broken core.	8127	36.9	37.5	0.6	0.001	0.01
		From 36.9 - 37.0m narrow qtz veinlets, slightly fractured with epidotite and trace of pyrite mineralization.						
		From 37.9 - 40.3m folded andesite with small qtz veinlets mainly at 38.8 and 40.3 few mm wide	8128	43.9	44.2	0.3	0.001	0.01
		From 41.4 - 41.5 folded andesite with qtz and pinkish plagioclase						
		From 43.4 - 43.7m narrow qtz veinlets, epidotite within folded andesite.						
		From 41.4 - 62.4m good core with minor section of broken core mainly at 57.3 - 57.6m, 58.2-58.4m, and 59 - 59.4m.						
		From 43.9 - 44.1 qtz veinlets white in color, with pinkish plagioclase with trace of pyrite						

DRILL HOLE LOG

LOCATION: South Unuk River, B.C.

HOLE No. 86-4 | PAGE NO. 3 of 4

AZIM: 210° | ELEV: 1231m

DIP: -60° | LENGTH: 71m

CORE SIZE: BQ

PROPERTY: DOC

STARTED: August 21, 1986

COMPLETED: August 22, 1986

PURPOSE: To test massive sulphide in Trench #T2

CORE RECOVERY: 98%

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

CLAIM NO: DOC Claims

SECTION: 0+75SE

LOGGED BY: W. Gewargis

DATE LOGGED: August 22, 1986

DRILLING CO: Longyear Canada

ASSAYED BY: Acme Lab, Vancouver, B.C.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM(M)	FOOTAGE TO(M)	LENGTH (M)	ASSAYS Au oz/t	ASSAYS Ag oz/t				
		mineralization.										
		From 48.0 - 1 cm wide qtz vein with light gry										
		alteration at 80° to core axis.										
		At 52m - 1 cm white qtz veinlets at 75° to core										
		axis.										
		At 51.6 - 51.75 patches of epidotite with trace										
		of pyrite.										
		From 53.2 - 53.8m qtz veinlets with epidotite										
		throughout this section from 5-10%										
		From 55.9 - 56.5m qtz veinlets with epidotite	8129	55.9	56.5	0.6	0.001	0.03				
		and trace of pyrite, slightly fractured, broken										
		core from 56.4 - 56.5 with gouge possible minor										
		fault at 55° to core axis.										
		At 59.6m - 7 cm qtz veinlets, fractured, highly	8130	59.4	59.7	0.3	0.004	0.23				
		altered with trace of pyrite at 75° to core axis.										
		At 59.9m - 7 cm wide patch of epidotite alter-										
		ation with qtz.										
		From 62.4 - 62.9m broken core.										
62.9	66.1m	Mineralized zone: Qtz vein with pyrite	8131	62.5	62.9	0.4	0.001	0.02				
		mineralization throughout this section.	8132	62.9	63.4	0.5	0.003	0.10				
		Badly broken core from 63.4 - 64.0m with gouge	8133	63.4	64.0	0.6	0.018	0.14	0.023	oz/t Au		
		at 64.0m and from 65 - 66.1m.	8134	64.0	64.8	0.8	0.063	0.27	0.145	oz/t Ag		
			8135	64.8	66.1	1.3	0.010	0.09	across	3.2m		
			8136	66.1	66.7	0.6	0.001	0.01				

DRILL HOLE LOG

LOCATION: South Unuk River, B.C.

HOLE No. 86-4 | PAGE NO. 4 of 4

AZIM: 210° | ELEV: 1231m

DIP: -60° | LENGTH: 71m

CORE SIZE: BQ

STARTED: August 21, 1986

COMPLETED: August 22, 1986

PURPOSE: To test massive sulphide in Trench #12

CORE RECOVERY: 98%

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY: DOC

CLAIM NO: DOC Claims

SECTION: 0+75SE

LOGGED BY: W. Gewargis

DATE LOGGED: August 23, 1986

DRILLING CO: Longyear Canada

ASSAYED BY: Acme Lab, Vancouver, B.C.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM (M)	FOOTAGE TO (M)	LENGTH (M)	ASSAYS Au oz/t	ASSAYS Ag oz/t
		From 62.9 - 63.4m highly altered andesite with						
		qtz veinlets along fracture at 10° to core axis						
		with oxidized - limonitic sections.						
		From 63.4 - 64m, broken qtz vein with pyrite -						
		hematite mineralization and limonitic alteration.						
		From 64 - 64.8m qtz vein epidotite, chlorite						
		alteration with pyrite (in specks) with pinkish						
		alteration (abundance of pyrite)						
		From 64.8 - 66.1m white qtz vein with pyrite,						
		chlorite, epidotite alteration/						
66.1	71m	Andesite: dark grn andesite fine grained with						
		scattered stringer of qtz veinlets at 70° - 90°						
		to core axis.						
		Broken core from 70.9 - 71.0m						
		End of Hole at 71m.						

GEWARGIS GEOLOGICAL CONSULTING INC.

DDH NO. 86-5

DIAMOND DRILL RECORD

Page 1 / 1

LOCATION: South Unuk River, B.C. "DOC Property"

COLLAR	Northing	0+75SE
	Easting	---
	Elevation	1231m
DRILLED	Azimuth	210°
	Dip	-60°
	Depth	71.0m
Da·Mo·Yr·	Started	August 22, 1986
	Completed	August 27, 1986
	Logged	August 23, 1986
EQUIPMENT	Machine	Longyear Super 38
	Core Size	BQ
	Dip Tests	

REMARKS: Core recovery 95%
From 82 - 83.2m qtz vein white in color, fine-medium grained, highly broken core with gouge.

PURPOSE: To test the massive sulphide mineralization occuring in Trench #12 at depth.

RESULTS: From 82.0 - 83.2m mineralizaed zone assayed 0.036 oz/ton Au, 0.14 oz/ton Ag.

GEOLOGIST: W. Gewargis — Da·Mo·Yr: December, 1986

LOCATION: South Nnuk River, B.C.

DRILL HOLE LOG

HOLE No. 86-5 | PAGE NO. 1 of 9

AZIM: 210° | ELEV: 1231m
DIP: -80° | LENGTH: 187.8m
CORE SIZE: BQ
STARTED: August 22, 1986
COMPLETED: August 27, 1986
PURPOSE: To test downdip extensions of Massive Sulphide in Trench #12
CORE RECOVERY: 95%

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY: DOC
CLAIM NO: DOC Claims
SECTION: 0+75SE
LOGGED BY: W. Gewargis
DATE LOGGED: August 23, 1986
DRILLING CO: Longyear Canada
ASSAYED BY: Acme Lab, Vancouver, B.C.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM(M)	FOOTAGE TO(M)	LENGTH (M)	ASSAYS. Au oz/t	Ag oz/t
0	2.1m	Casing, no core recovered						
2.1	57.9m	Andesite: dark grn, fine-medium grained with scattered qtz-epidotite veinlets throughout this section at 80 - 90° to core axis.						
		Badly broken core, mainly from 2.1 - 8.0m, 12.3-12.6m, 13.5 - 13.7m, 15.3 - 15.5m, 16.7 - 16.8m	8137	7.9	8.2	0.3	0.001	0.01
		From 17.3 - 17.5m broken core with gouge and cave in 17.4m possible minor fault.						
		18.7 - 18.8 broken core, slightly fractured						
		From 7.9 - 8.3 light gry-grn altered andesite with qtz vein, slightly fractured.						
		At 19.2m - few mm wide qtz vein at 50° core axis.						
		At 22.3m - few mm white-qtz veinlets at 60° to core axis.						
		From 24.4 - 24.7m narrow qtz veinlets with limonitic alteration.						
		At 24.4m - qtz veinlets few mm wide, at 45° to core axis.						
		At 24.7m - qtz vein, 4 cm wide with light brown alteration at 50° to core axis.						
		From 30 - 30.1m qtz veinlets with fracture zone, limonitic alteration, trace of pyrite at low						

DRILL HOLE LOG

LOCATION: South Unuk River, B.C.

HOLE No. 86-5 | PAGE NO. 2 of 9

AZIM: 210° | ELEV: 1231m

DIP: -80° | LENGTH: 187.8m

CORE SIZE:

STARTED: August 22, 1986

COMPLETED: August 27, 1986

PURPOSE: To test downip extensions of Massive Sulphide in Trench #12

CORE RECOVERY: 95%

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY: DOC

CLAIM NO: DOC Claims

SECTION: 0+75SE

LOGGED BY: W. Gewargis

DATE LOGGED: August 23, 1986

DRILLING CO: Longyear Canada

ASSAYED BY: Acme Lab. Vancouver, B.C.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM(M)	FOOTAGE TO(M)	LENGTH (M)	ASSAYS Ag oz/t	ASSAYS Ag oz/t
		angle to core axis.						
		From 39.7 - 39.8m white patches of qtz crystals, medium in size, scattered throughout this section with no mineralization.						
		From 40.3 - 40.8m small qtz veinlets white with epidotite and coarse pyrite mineralization up to 2%.						
		From 41.2 - 41.3 white qtz veinlets, medium, and with associated trace of pyrite.	8138	42.2	42.6	0.4	0.001	0.01
		Broken and blocky core from 21.5 - 21.9m, 25.2 - 25.8m, 26.6 - 26.9m, 32.2 - 32.5m, 33.1 - 33.4m 34.6 - 35.0m, 35.6 - 35.7m, 35.9 - 36.0m.						
		From 42.6 - 43.5m broken core with small sections of possible minor fault zone with gouge from 43.3 - 43.5m.						
		From 43.5 - 50.7m good core.						
		From 50.7 - 52.8m broken core with clay, gouge mainly 52.1m and from 52.7 - 52.8m this section represents a fault zone with gouge.						
		At 48.6 - small white qtz veinlets						
		From 48.9 - 49.2m silicified dark grn andesite with qtz - epidotite veinlets and trace of pyrite mineralization.	8139	48.9	49.2	0.3	0.001	0.01

LOCATION: South Unuk River, B.C.

DRILL HOLE LOG

HOLE No. 86-5 | PAGE NO. 3 of 9

AZIM: 210° | ELEV: 1231m

DIP: -80° | LENGTH: 187.8m

CORE SIZE: BQ

PROPERTY: DOC

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

STARTED: August 22, 1986

COMPLETED: August 27, 1986

PURPOSE: To test downdip extensions of Massive Sulphide in Trench #12

CORE RECOVERY: 95%

CLAIM NO: DOC Claims

SECTION: 0+75SE

LOGGED BY: W. Gewargis

DATE LOGGED: August 26, 1986

DRILLING CO: Longyear Canada

ASSAYED BY: Acme Lab, Vancouver, B.C.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM(M)	FOOTAGE TO(M)	LENGTH (M)	ASSAYS Au oz/t	Ag oz/t
		From 56 - 57.9m broken core with major fault zone						
		from 56.8 - 58.2m with gouge from 57.9 - 58.2m						
57.9	60.2m	Brecciated andesite: light grn, medium grained	8140	58.2	58.7	0.5	0.001	0.01
		with qtz phenocryst up to 1 - 2 cm in size,	8141	58.7	59.0	0.3	0.001	0.01
		scattered throughout this section and mainly	8142	59.0	59.9	0.9	0.001	0.01
		from 58.7 - 58.9m and 59.4 - 59.6m. From 57.9	8143	59.9	60.2	0.3	0.001	0.01
		58.2m major fault zone with gouge, scattered	8144	60.2	60.8	0.6	0.001	0.01
		limonitic alteration.	8145	60.8	61.3	0.5	0.021	0.08
			8146	61.3	61.9	0.6	0.001	0.01
60.2m	82.0m	Andesite: dark grn, fine-medium grained, highly						
		fractured and broken core with only small						
		sections of good core.						
		Broken core from 61.4 - 61.6m, 64.4 - 64.5m with	8147	64.9	65.4	0.5	0.002	0.01
		gouge and clay at 64.4m.						
		From 66.3 - 69.9m with gouge at 69.9m possible						
		fault zone at 5° - 10° to core axis.						
		From 70.7 - 73.5m broken core, 74.1 - 75.9m, 76.2						
		- 77m, 77 - 78m 1.0m of missing core.						
		From 79.3 - 82m broken core, major fault zone						
		with gouge clay at 79.4m, 80.1m, 81.0m, 81.9 -						
		82.0m.						
		64.9 - 65.4m qtz veinlets up to 30% within the						
		andesitic unit and slightly broken core.						
		From 78.3 - 82.0 dark grn andesitic rocks.						
82	83.2m	Qtz vein: white in color, fine- medium, highly	8148	82.0	83.2	1.2	0.036	0.14
		broken core with gouge and is part of main						

LOCATION: South Unuk River, B.C.

DRILL HOLE LOG

HOLE No. 86-5 | PAGE NO. 4 of 9

AZIM: 210° | ELEV: 1231m
DIP: -80° | LENGTH: 187.8m
CORE SIZE: BQ
STARTED: August 22, 1986
COMPLETED: August 27, 1986
PURPOSE: To test downdip extensions of Massive Sulphide in Trench #12.
CORE RECOVERY: 95%

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY: DOC
CLAIM NO: DOC Claims
SECTION: 0+75SE
LOGGED BY: W. Gewargis
DATE LOGGED: August 24, 1986
DRILLING CO: Longyear, Canada
ASSAYED BY: Acme Lab, Vancouver, B.C.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM(M)	FOOTAGE TO(M)	LENGTH (M)	ASSAYS Au oz/t	ASSAYS Ag oz/t
		fault zone. From 79.4 - 83.2m small specks of						
		sulphide mineralization (pyrite) scattered						
		throughout this section.						
83.2	94.6m	Andesite: dark grn with grey fine grained						
		andesitic ground mass. with scattered, fine						
		stringer of veinlets of epidotite - qtz						
		veinlets at 50° - 80° to core axis which range						
		from a few mm in size.						
		Several sections of distinct narrow qtz veinlets						
		within the above section mainly at:						
		87.3m - 1 cm wide white qtz vein at 75° to core						
		axis.						
		At 87.6m - 2 cm wide white qtz veinlets at 70°						
		to core axis.						
		From 89.2 - 89.5m light brown alteration with						
		limonitic, fracture zone at 45° to core axis.						
		At 93.1m - few mm white qtz veinlets at 80° to						
		core axis.						
		Broken core from 88.6 - 90.0m, 90.7 - 91.1m, 92.1						
		- 92.2m, 92.9 - 93.2m, 94.0 - 94.2m.						
94.6	97.3m	Altered Andesite: light brown, fine grained	8149	94.6	95.2	0.6	0.006	0.03
		andesite with qtz veinlets mainly from 94.6 -	8150	95.2	95.8	0.6	0.001	0.01
		95.3m.	8151	95.8	96.4	0.6	0.002	0.02
			8152	96.4	97.3	0.9	0.001	0.03
		96.4 - 97.3m highly fractured at low ange to						
		core axis, sections of light grn, fine grained						
		andesite intermixed with this unit mainly from						

DRILL HOLE LOG

LOCATION: South Unuk River, B.C.

HOLE No. 86-5 | PAGE NO. 5 of 9

AZIM: 210° | ELEV: 1231m

DIP: -80° | LENGTH: 187.8m

CORE SIZE: BQ

STARTED: August 22, 1986

COMPLETED: August 27, 1986

PURPOSE: To test downdip extensions of Massive Sulphide in Trench #12

CORE RECOVERY: 95%

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY: DOC

CLAIM NO: DOC Claims

SECTION: 0+75SE

LOGGED BY: W. Gewargis

DATE LOGGED: August 26, 1986

DRILLING CO: Longyear Canada

ASSAYED BY: Acme Lab, Vancouver, B.C.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM(M)	FOOTAGE TO(M)	LENGTH (M)	ASSAYS Au oz/t	ASSAYS Ag oz/t
		95.1 - 96.3m.						
		At 94.6m - contact at 23° to core axis.						
		At 95.9m 1 cm white qtz veinlets at 85° to core axis.						
		From 96.9 - 97.4m very badly broken core with gouge throughout this section.						
97.3	126.1m	Andesite: dark grn, fine grained andesite ground mass, with scattered fine epidotite veinlets throughout this section at 75° - 90° to core axis with some sections of rich epidotite alteration mainly from 108.9 - 109.0m, 113-115.9m.	8153	99.0	99.3	0.3	0.007	0.06
		From 102.5 - 103.1m white phenocrysts, porphyritic texture.	8154	100.2	100.9	0.7	0.018	0.09
		Sections of light brown limonitic alteration with pyrite mineralization intersected this unit mainly from 99.0 - 99.3m, and 100.2 - 100.9m.						
		Sections of broken core from 101.3 - 101.6m, 107.3 - 107.9m and 112.6 - 112.8m.						
		From 116.7 - 117.6m light gry silicified andesite with scattered fine-grained pyrite mineralization throughout this section with white qtz veinlets and patches of qtz. The veinlets are at 10° to core axis. Pyrite 5-10%.	8155	116.7	117.6	0.9	0.003	0.01

DRILL HOLE LOG

LOCATION: South Unuk River, B.C.

HOLE No. 86-5 | PAGE NO. 6 of 9

AZIM: 210° | ELEV: 1231m

DIP: -80° | LENGTH: 187.8m

CORE SIZE: BQ

STARTED: August 22, 1986

COMPLETED: August 27, 1986

PURPOSE: To test downdip extensions of Massive Sulphide in Trench #12

CORE RECOVERY: 95%

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY: DOC

CLAIM NO: DOC Claims

SECTION: 0+75SE

LOGGED BY: W. Gewargis

DATE LOGGED: August 26, 1986

DRILLING CO: Longyear Canada

ASSAYED BY: Acme Lab, Vancouver, B.C.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM (M)	FOOTAGE TO (M)	LENGTH (M)	ASSAYS Au oz/t	ASSAYS Ag oz/t
		From 117.6 - 123.7m light grn to gry color andesite with scattered fine grained pyrite mineralization less than 2%.						
		At 122m - 1 cm wide qtz veinlets with pyrite - hematite and limonitic alteration at 35° to core axis.						
		From 122.4 - 122.7m light brown, alteration with fine pyrite mineralization.	8156	121.9	122.3	0.4	0.002	0.01
		From 124.15 - 124.25 qtz veinlets white (patches) with specks of pyrite.						
		From 124.5 - 124.8m qtz veinlets white in color (patches) with specks of pyrite and epidotite.						
126.1	139.6m	Porphyritic andesite: light grn with dark grn - white phenocrysts scattered througout this section and this unit is intermixed with andesitic sections.						
		Scattered qtz veinlets - epidotite veinlets throughout this section.						
		At 130.6m - 5 cm wide qtz veinlets with light brown alteration, gouge at 35° to core axis.						
		From 134.8 - 134.9m section of broken core.						
		From 139.1 - 139.3m broken core with gouge possible fault zone.						
139.6	140.0m	Qtz vein with gouge, light brown oxidized	8157	139.3	139.6	0.3	0.001	0.01
		alteration and trace of pyrite, gouge at 139.9	8158	139.6	140.0	0.4	0.013	0.08

LOCATION: South Unuk River, B.C.

DRILL HOLE LOG

HOLE No. 86-5 | PAGE NO. 7 of 9

AZIM: 210° | ELEV: 1231m

DIP: -80° | LENGTH: 187.8m

CORE SIZE: BQ

PROPERTY: DOC

STARTED: August 22, 1986

COMPLETED: August 27, 1986

PURPOSE: Test downdip extensions of Massive Sulphide in Trench #12.

CORE RECOVERY: 95%

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

CLAIM NO: DOC Claims

SECTION: 0+75SE

LOGGED BY: W. Gewargis

DATE LOGGED: August 26, 1986

DRILLING CO: Longyear Canada

ASSAYED BY: Acme Lab, Vancouver, B.C.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM(M)	FOOTAGE TO(M)	LENGTH (M)	ASSAYS Ag oz/t	ASSAYS Ag oz/t
		Contact at 139.6 at 45° to core axis.	8159	140.0	141.8	1.8	0.001	0.01
			8160	141.8	142.2	0.04	0.001	0.01
			8161	142.2	142.8	0.6	0.001	0.01
140	141.8m	Andesite: gry to grn in color, fine grained with scattered epidotite, qtz veinlets and trace of pyrite.						
141.8	142.2m	Qtz vein: light gry, fine grained with disseminated pyrite mineralization and gouge at 141.8 and 142.2m. Contact at 142.2m - 45° to core axis.						
142.2	160.5m	Andesite: light grn-gry, fine-grained with porphyritic texture. Broken core and gouge mainly from 142.1 - 143.4m, gouge at 142.7m and 143.4m. From 144.8 - 150.7m intermixed section of dark grn - gry andesite within the porphyritic andesite. Broken core with slightly fractured section mainly from 147.1 - 148.4m, 149.1 - 149.8m with gouge at 149.7m, 150.2 - 150.4m Broken core and gouge from 152.1 - 156.2m with gouge at 153.2 - 153.3m, 157 - 157.6m, 158.8 - 158.9m, 159.2 - 159.3m with gouge. Small sections of dark grn alteration at 35° to core axis from 156.3 - 156.3m, 158.9 - 159.3m.						
160.5	163.1m	Granitic dike: pinkish in color, fine grain, with gry specks of limonitic alteration, porphyritic texture with specks of pyrite -	8162	160.1	160.5	0.4	0.001	0.01
			8163	160.5	161.7	1.2	0.001	0.02
			8164	161.7	162.4	0.7	0.007	0.04

DRILL HOLE LOG

LOCATION: South Unuk River, B.C.

AZIM: 210° ELEV: 1231m

DIP: -80° LENGTH: 187.8m

CORE SIZE: BQ

STARTED: August 22, 1986

COMPLETED: August 27, 1986

PURPOSE: To test downdip extensions of Massive Sulphide in Trench #12

CORE RECOVERY: 95%

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

HOLE No. 86-5 PAGE NO. 8 of 9

PROPERTY: DOC

CLAIM NO: DOC Claims

SECTION: 0+75SE

LOGGED BY: W. Gewargis

DATE LOGGED: August 26, 1986

DRILLING CO: Longyear Canada

ASSAYED BY: Acme Lab, Vancouver, B.C.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM(M)	FOOTAGE TO(M)	LENGTH (M)	ASSAYS Ag oz/t	ASSAYS Ag oz/t
		hematite throughout this section.	8165	162.4	163.1	0.7	0.001	0.01
		Limonitic alteration rangeing in color from	8166	163.1	163.5	0.4	0.001	0.01
		light brown to dark brown to reddish.						
		From 162.1 - 163.1m light - dark brown, medium						
		grained andesite, with limonitic alteration,						
		with small section of qtz vein.						
163.1	181.7m	Andesite: dark grn andesite, fine-medium grained.						
		Slightly fractured and broken core mainly from						
		165.8 - 166.1m, 168 - 168.3m.						
		From 168.2 - 168.6m light brown alteration	8167	168.3	168.6	0.3	0.001	0.01
		zone, slightly fractured.						
		From 172.3 - 173.4m small qtz veinlet white in						
		color.						
		From 173.7 - 173.8m slightly alterated brown	8168	176.5	176.9	0.4	0.006	0.04
		oxidization and limonitic material.	8169	176.9	177.7	0.8	0.001	0.01
		From 176.5 - 177.7 light grn altered -	8170	177.7	178.3	0.6	0.001	0.01
		silicified andesite with qtz-limonite, trace	8171	178.3	178.9	0.6	0.002	0.01
		of pyrite mainly from 176.5 - 176.9m. Light						
		brown in color, altered material with limonite						
		and pyrite.						
		From 178.9 - 180.3m silicified andesite with qtz						
		veinlets throughout this section mainly from						
		178.9 - 179.3m and qtz veinlets at 55° to core						
		axis.						
		From 180.3 - 181.7m silicified andesite with qtz	8172	180.9	181.7	0.0	0.013	0.05
		veinlets and light brown alteration mainly						

DRILL HOLE LOG

LOCATION: South Unuk River, B.C.

HOLE No. 86-5 | PAGE NO. 9 of 9

AZIM: 210° | ELEV: 1231m

DIP: -80° | LENGTH: 187.8m

CORE SIZE: BQ

STARTED: August 22, 1986

COMPLETED: August 27, 1986

PURPOSE: To test downdip extensions of Massive Sulphide in Trench #12.

CORE RECOVERY: 95%

PROPERTY: DOC

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

CLAIM NO: DOC Claims

SECTION: 0+75SE

LOGGED BY: W. Gewargis

DATE LOGGED: August 27, 1986

DRILLING CO: Longyear Canada

ASSAYED BY: Acme Lab. Vancouver, B.C.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM (M)	FOOTAGE TO (M)	LENGTH (M)	ASSAYS Au oz/t	ASSAYS Ag oz/t	ASSAYS
		from 180.3 - 180.7m, 181.1 - 181.7m.							
181.7	182.8m	Qtz vein - mineralized zone: white with grey -							
		brown alterated limonite with trace of pyrite.	8173	181.7	182.4	0.7	0.010	0.03	
		From 181.7 - 182.4m light - dark brown grnish	8174	182.4	182.8	0.4	0.017	0.5	0.024 oz/t
		altered andesite with limonite, slightly	8175	182.8	183.8	1.0	0.037	0.10	0.067 Ag over 2.1m
		fractured and broken core with gouge, clay mainly	8176	183.8	184.3	0.5	0.010	0.03	
		from 181.7 - 181.9m with gouge.	8177	186.3	186.8	0.5	0.005	0.0	
		182.4 - 182.8m white - brown alt. qtz veinlets							
		with trace of pyrite.							
182.8	187.8m	Andesite: Light grn, silicified with section of							
		altered brown with limonite and qtz veinlets							
		mainly from 182.8 - 184.7m and 186.3 - 186.8m							
		with 1 cm wide qtz vein at parallel axis to							
		core axis.							
		End of Hole at 187.8m							

DDH NO. 86-6

DIAMOND DRILL RECORD

LOCATION: South Unuk River, B.C. "DOC Property"

COLLAR	Northing	0+90NW
	Easting	---
	Elevation	1234m
DRILLED	Azimuth	215°
	Dip	-60°
	Depth	74.1m
Da·Mo·Yr·	Started	August 29, 1986
	Completed	August 31, 1986
	Logged	August 30, 1986
EQUIPMENT	Machine	Longyear Super 38
	Core Size	BQ
	Dip Tests	

REMARKS: Core recovery 93%

From 65.6 - 68.6m solid qtz vein, mineralized zone, 100% recovery with brownish alteration, with disseminated to massive pyrite, specularite.

PURPOSE: To test the mineralization occuring in Trench #23 at depth.

RESULTS: Mineralized zone from 65.6 - 68.1m assayed 1.473 oz/ton Au, 5.54 oz/ton Ag.

GEOLOGIST: W. Gewargis — Da·Mo·Yr: December, 1986

DRILL HOLE LOG

LOCATION: South Unuk River, B.C.

HOLE No. 86-6

AZIM: 215°

DIP: -60°

ELEV: 1234m

LENGTH: 74.1m

CORE SIZE: BQ

STARTED: August 29, 1986

COMPLETED: August 31, 1986

PURPOSE: To test Trench #23

CORE RECOVERY: 93%

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY: DOC

CLAIM NO: DOC Claims

SECTION: 1+00NW

LOGGED BY: W. Gewargis

DATE LOGGED: August 30, 1986

DRILLING CO: Longyear Canada

ASSAYED BY: Acme Lab, Vancouver, B.C.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM(M)	FOOTAGE TO(M)	LENGTH (M)	ASSAYS Au oz/t	ASSAYS Ag oz/t
0	0.6m	Casing. No core recovered						
0.6	62.4m	Andesite: dark grn, fine grained, broken core and possible shear zone mainly from 0.6 - 2.7m, 6.2 - 6.5m, 10.0 - 10.2m, 11.0 - 11.2m, 12.2 - 12.8m, 13.3 - 14.4m a shear zone with caving at 14.2m. At 4.5m qtz veinlets at 60° to core axis. From 15.6 - 16.3m, 16.6 - 17.9m, 18.4 - 19.0m scattered white narrow qtz veinlets. At 11.6m - 1/2 cm wide qtz veinlets at 65° to core axis. 12.8 - 13.0m qtz veinlets up to few mm in width. At 13.3m narrow qtz veinlet. From 14.4 - 14.8m scattered narrow qtz veinlets in light grn andesite with dark grn chlorite - limonitic alteration. From 17.9 - 18.4m qtz veinlets throughout this unit at 75° to core axis. Broken core from 19.5 - 20.1m, gouge - clay from 21.5 - 21.6m. Broken core 21.6 - 21.8m. From 22.1 - 26.4m possible shear zone with 0.6m of core missing from 25.3 - 26.2m (core pleses up in few centimeters in size.						

LOCATION: South Unuk River, B.C.

DRILL HOLE LOG

HOLE No. 86-6 | PAGE NO. 2 of 4

AZIM: 215° | ELEV: 1234m

DIP: -60° | LENGTH: 74.1

CORE SIZE: BQ

STARTED: August 24, 1986

COMPLETED: August 31, 1986

PURPOSE: To test Trench #23

CORE RECOVERY: 93%

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY: DOC

CLAIM NO: DOC Claim

SECTION: 1+00NW

LOGGED BY: W. Gewargis

DATE LOGGED: August 30, 1986

DRILLING CO: Longyear Canada

ASSAYED BY: Acme Lab, Vancouver, B.C.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM (M)	FOOTAGE TO (M)	LENGTH (M)	ASSAYS Au oz/t	ASSAYS Ag oz/t
		From 27.1 - 30.3m shear zone as above.						
		From 30.3 - 31.7m good core	8178	30.4	31.0	1.4	0.001	0.07
		From 32.8 - 35.3m broken core with some sections 5 cm in size.						
		From 35.7 - 36.4m, 37.3 - 38.3m light dark grn alteration, from 26.6 to 27.4m foliation at 35° to core axis.						
		From 30.4 - 31.0m qtz veinlets with light brown alteration with andesite, qtz veinlet - 1/2 cm wide at 70° - 85° to core axis.						
		From 31.1 - 31.5 at 87° to core axis.						
		From 36.5 - 36.7m minor fold structure within the dark grn andesite.						
		From 37.3 - 38.8m broken core, 39.3 - 44.2m						
		From 39.3 - 40.6m and 41.3 to 43.1 shear zone						
		Broken core from 50.3 - 50.6m, 51.4 - 52.1m, 53.1 - 53.8m, 55.2 - 57.2m, 57.5 - 58.9m, 59.5 - 59.7m and 60.2 - 60.8m.						
		From 51.6 - 51.8m oxidized zone, brown alteration with disseminated pyrite gouge and clay at 58.3 - 58.4m possible fault zone, 59.6 - 59.7m gouge.	8179	51.6	51.9	0.3	0.002	0.05
		At 60.8m possible fault from 60.2 - 60.8m at 50° to core axis.						
		From 61.3 - 61.4m light brown alteration (limonitic)						

DRILL HOLE LOG

LOCATION: South Nouk River, B.C.

HOLE No. 86-6 | PAGE NO. 3 of 4

AZIM: 215° | ELEV: 1234m

DIP: -60° | LENGTH: 74.1m

CORE SIZE: BQ

STARTED: August 29, 1986

COMPLETED: August 31, 1986

PURPOSE: To test Trench #23

CORE RECOVERY: 93%

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY: DOC

CLAIM NO: DOC Claim

SECTION: 1+00NW

LOGGED BY: W. Gewargis

DATE LOGGED: August 31, 1986

DRILLING CO: Longyear Canada

ASSAYED BY: Acme Lab, Vancouver, B.C.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS		
62.4	63.7m	Silicified andesite: qtz veinlets, light grn,	8180	62.3	63.2	0.9	0.019	0.11	
		fine to medium with slightly fractured qtz	8181	63.2	63.7	0.5	0.425	1.20	
		veinlets from 63.2 - 63.7m, light brown, limon-	8182	63.7	65.2	1.5	0.008	0.02	
		itic alteration, with pyrite mineralization.	8183	65.2	65.6	0.4	0.009	0.01	
			8184	65.6	66.0	0.4	7.010	25.80	
63.7	65.6m	Andesite: light grn andesite ground mass, fine	8185	66.0	66.3	0.3	1.060	3.90	
		grained with small qtz veinlets mainly at 64.4,	8186	66.3	66.9	0.6	0.556	2.55	1.473 oz/t Au
		64.8m. Broken core throughout this section	8187	66.9	67.6	0.7	0.235	0.87	5.54 oz/t Ag
		mainly from 63.8 - 64.8m.	8188	67.6	68.1	0.5	0.127	0.47	over 2.5m
			8189	68.1	68.6	0.5	0.045	0.17	
65.6	68.6m	Qtz vein mineralized zone: massive qtz vein, 100%	8190	68.6	69.3	0.7	0.006	0.07	
		recovery, fine grained with brownish alteration.							
		Section of disseminated to massive pyrite,							
		specularite.							
		From 65.6 - 66m light grey-brown qtz with							
		massive pyrite.							
		From 66.3 - 67m light brown-grey with disseminated							
		pyrite.							
		From 67.5 - 67.8m stringer of specularite.							
		From 67.9 - 68.6m light brown-greyish with gouge							
		and disseminated pyrite.							
		At 65.6m - contact at 85° to core axis.							
		At 66.9m - fracture angle at 35° to core axis.							
		At 68.6m - fracture angle at 25° to core axis.							
68.6	74.1m	Andesite: dark grn - fine grained, andesite							
		ground mass with scattered narrow qtz-epidotite							
		veinlets at 70° - 85° to core axis.							

DRILL HOLE LOG

LOCATION: South Unuk River, B.C.

HOLE No. 86-6 | PAGE NO. 4 of 4

AZIM: 215° | ELEV: 1234m

DIP: -60° | LENGTH: 74.1m

CORE SIZE: BQ

STARTED: August 29, 1986

COMPLETED: August 31, 1986

PURPOSE: To test Trench #23

CORE RECOVERY: 93%

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY: DOC

CLAIM NO: DOC Claim

SECTION: 1+00NW

LOGGED BY: W. Gewargis

DATE LOGGED: August 31, 1986

DRILLING CO: Longyear Canada

ASSAYED BY: Acme Lab, Vancouver, B.C.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS
		Good core throughout this interval except small section mainly from 69.1 - 69.3m with gouge and at 70.6m cave.					
		End of Hole at 74.1m.					

GEWARGIS GEOLOGICAL CONSULTING INC.

DDH NO. 86-7

DIAMOND DRILL RECORD

LOCATION: South Unuk River, B.C. "DOC Property"

COLLAR	Northing	0+90NW
	Easting	---
	Elevation	1234m
DRILLED	Azimuth	215°
	Dip	- 75°
	Depth	138.7m
Da·Mo·Yr·	Started	August 31, 1986
	Completed	September 3, 1986
	Logged	September 1, 1986
EQUIPMENT	Machine	Longyear Super 38
	Core Size	BQ
	Dip Tests	

REMARKS: Core recovery 96%

From 128.3 - 133.6m qtz vein, mineralized zone solid - massive, milky white, with section of massive pyrite.

PURPOSE: To test downdip extension of Hole 86-6

RESULTS: From 130.2 - 133.6m assayed 0.363 oz/ton Au, 1.17 oz/ton Ag and from 137.2 - 137.8m assayed 0.98 oz/ton Au, 3.18 oz/ton Ag.

GEOLOGIST: W. Gewargis Da·Mo·Yr: December, 1986

DRILL HOLE LOG

LOCATION: South Unuk River, B.C.

HOLE No. 86-7 | PAGE NO. 1 of 7

AZIM: 215° | ELEV: 2134m

DIP: -75° | LENGTH: 138.7m

CORE SIZE:

STARTED: August 31, 1986

COMPLETED: September 3, 1986

PURPOSE: To test downdip extensions of Hole 86-6

CORE RECOVERY: 96%

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY: DOC

CLAIM NO: DOC Claims

SECTION: 0+90NW

LOGGED BY: W. Gewargis

DATE LOGGED: September 1, 1986

DRILLING CO: Longyear Canada

ASSAYED BY: Acme Lab. Vancouver, B.C.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM(M)	FOOTAGE TO(M)	LENGTH (M)	ASSAYS Au oz/t	ASSAYS Ag oz/t
0	2.1m	Casing: No core recovery						
2.1	41.4m	Andesite: dark grn, fine grained fractured and broken core throughout this section. Broken core from 2.1 - 11.3m at start of drilling, 15.6 - 15.9m, 16.7 - 18.1m and 20.2 - 21.2m	8191	16.5	16.8	0.3	0.008	0.02
		Gouge at 9.9m, 10.9m.						
		From 16.0 - 16.2m scattered qtz veinlet, epidotite - chlorite (1-2cm) wide with little brown limonitic 60°-70° to core axis 20% qtz veinlets.						
		From 16.5 - 16.8m qtz veinlets with limonitic alteration up to few mm in size, slightly fractured with epidotite, chlorite, qtz veinlets at 70° to core axis, 30% qtz.						
		From 18.9 to 19.5m qtz veinlets with epidotite chlorite alteration with limonitic with trace of pyrite and qtz veinlets at 75° to core axis up to 40% qtz.	8192	18.9	19.6	0.7	0.001	0.02
		From 19.7 - 19.8m patch of white qtz veinlets with chlorite alteration.						
		From 24.5 - 25.3m light grn andesite with qtz - limonite alteration with trace of pyrite. Qtz veinlets up to 15% at 75° - 85° to core axis and slightly fractured at low angle to core axis.	8193	24.5	25.3	0.8	0.002	0.01
		From 26.2 - 26.8m light brown limonitic alteration with broken core from 26.3 - 26.7m.						
		At 29.9m - 5 cm wide qtz veinlets milky-white with specks of green chlorite.						

DRILL HOLE LOG

LOCATION: South Unuk River, B.C.		HOLE No. 86-7	PAGE NO. 2 of 7
AZIM: 215°	ELEV: 1234m	PROPERTY: DOC	
DIP: -75°	LENGTH: 138.7m		
	CORE SIZE: BQ		
STARTED: August 31, 1986		CLAIM NO: DOC Claims	
COMPLETED: September 3, 1986		SECTION: 0+90NW	
PURPOSE: To test downdip extensions of Hole 86-6		LOGGED BY: W. Gewargis	
		DATE LOGGED: Septmber 1, 1986	
CORE RECOVERY: 96%		DRILLING CO: Longyear Canada	
		ASSAYED BY: Acme Lab, Vancouver, B.C.	

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM(M)	FOOTAGE TO(M)	LENGTH (M)	ASSAYS Au oz/t	ASSAYS Au oz/t
		At 32.0m - 1 cm wide qtz veinlets at 30° to core axis, with specks of pyrite. Broken core from 24 - 24.3m, 26.3 - 26.7m, 32.3 - 32.9m with gouge at 32.4 - 32.5, 37.2 - 37.6m, 38.6 - 38.7m. From 35.7 - 5 cm wide qtz veinlets. From 26.8 - 40.7m good core up to 20cm in length.						
41.4	57.9m	Andesite: light grn to dark green gine-grained, silicified with scattered fine-grained pyrite mineralization. Limonitic texture of qtz-chlorite. From 42.3 - 42.7m light grn-brown altered, broken core from 45-45.4, 50.6-51.5m, at 52.1 cave, broken core, 53.6-53.9m. At 47.4m lamination at 47.4m - 60° to core axis. At 50.5m - 65° to core axis. At 53.6m - 80° to core axis.						
57.9	65.1m	Silicified andesite: light green, fine grained with scattered qtz veinlets associted with trace of pyrite, qtz veinlets at 55° to core axis. Slightly fractured. At 58.5m and 60.8m small qtz veinlets. From 62.2 - 62.7m section of folded light green lamination. Section of Qtz veinlets, throughout this interval mainly at 63.3m - few mm in size - white qtz veinlets at 85° to core axis.						

DRILL HOLE LOG

LOCATION: South Unuk River, B.C.

HOLE No. 86-7

AZIM: 215° ELEV: 1234m

DIP: -75° LENGTH: 138.7m

CORE SIZE: BQ

STARTED: August 31, 1986

COMPLETED: September 3, 1986

PURPOSE: To test downdip extension of Hole 86-6

CORE RECOVERY: 96%

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY: DOC

CLAIM NO: DOC Claims

SECTION: 0+90NW

LOGGED BY: W. Gewargis

DATE LOGGED: September 1, 1986

DRILLING CO: Longyear, Canada

ASSAYED BY: Acme Lab, Vancouver, B.C.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM(M)	FOOTAGE TO (M)	LENGTH (M)	ASSAYS Au oz/t	Ag oz/t
		At 63.6 - few mm in size - white qtz veinlets at 85° to core axis.						
		At 63.7 - 2 cm wide qtz veinlets with pyrite mineralization at 85° to core axis.						
		From 64.7 - 64.9m qtz veinlets within the silicified andesite at 85° to core axis.						
		From 64.7 - 64.9m qtz veinlets within the silicified andesite at 85° to core axis with trace of pyrite.						
		At 65.1m contact between the silicified andesite and dark green andesite at 65° to core axis.						
65.1	121.9m	Andesite: dark green andesite fine grained inter-mixed with section of brecciated, silicified and qtz veinlets						
		From 67.1 - 68.0m qtz veinlets with disseminated pyrite, dark brown alteration.						
		From 67.1 - 67.2m qtz veinlets at 35° to core axis., 67.4 - 67.5m at 70° to core axis.	8194	67.1	68.0	0.9	0.015	0.06
			8195	68.7	69.1	0.4	0.017	0.07
		From 68.8 - 68.9m qtz veinlet with dark brown alterated disseminated pyrite at 45° to core axis.	8196	69.9	70.9	1.0	0.004	0.02
			8197	70.9	71.3	0.4	0.001	0.01
		From 69.9- 70.9m silicified andesite with qtz veinlets with pyrite mineralization throughout this section, slightly fractured. qtz veinlet at 60° - 70° to core axis.						
		From 69.9 - 70.2m light grey alteration with qtz veinlets.						

DRILL HOLE LOG

LOCATION: South Unuk River, B.C.

HOLE No. 86-7 | PAGE NO. 4 of 7

AZIM: 215° | ELEV: 1234m

DIP: -75° | LENGTH: 138.7m

CORE SIZE: BQ

STARTED: August 31, 1986

COMPLETED: September 3, 1986

PURPOSE: To test downdip extension of Hole 86-6

CORE RECOVERY: 96%

PROPERTY: DOC

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

CLAIM NO: DOC Claims

SECTION: 0+90NW

LOGGED BY: W. Gewargis

DATE LOGGED: September 1, 1986

DRILLING CO: Longyear Canada

ASSAYED BY: Acme Lab, Vancouver, B.C.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM(M)	FOOTAGE TO(M)	LENGTH (M)	ASSAYS Ag oz/t	ASSAYS Ag oz/t
		From 70.9 - 71.3m light grn-brown brecciated						
		section with disseminated pyrite, qtz veinlets						
		and limonitic alteration.						
		From 73.8 - 74.1m qtz veinlets with light green	8198	73.8	74.2	0.4	0.023	0.08
		to grey with disseminated fine grained pyrite,						
		qtz veinlet at 73.9m within alt. brown limonitic						
		at 45° to core axis.						
		From 74.3 - 74.5m massive-white color qtz veinlet	8199	74.2	74.5	0.3	0.007	0.04
		with disseminated pyrite and brown alteration,	8200	74.5	75.0	0.5	0.004	0.01
		chlorite.						
		At 74.3m contact angle at 55° to core axis						
		From 75 - 75.4m narrow qtz veinlets with dis-	8201	75.0	75.4	0.4	0.009	0.06
		seminated fine pyrite mineralization bright	8202	75.4	75.8	0.4	0.001	0.02
		yellow in color scattered throughout this	8203	75.8	76.1	0.3	0.004	0.02
		interval.						
		From 75.8 - 76.1m dark brown alteration with						
		disseminated pyrite mineralization less than 5%						
		(pyrite) at 45° to core axis.						
		Broken core from 79 - 79.5m at 80.8m (cave)						
		At 80.9m few mm qtz veinlet.						
		At 81.1m few mm qtz veinlet at 45° to core axis						
		with trace of pyrite.						
		At 81.2m qtz veinlets few mm wide.						
		From 82.3 - 96.1m dark grn andesite with highly						
		broken core and missing core mainly from 86.3 -						
		86.9m, 0.6m core missing, 86.9 - 88.7m with						

LOCATION: South Unuk River, B.C.

DRILL HOLE LOG

HOLE No. 86-7 | PAGE NO. 5 of 7

AZIM: 215° | ELEV: 1234m
DIP: -75° | LENGTH: 138.7m
CORE SIZE: BQ
STARTED: August 31, 1986
COMPLETED: September 3, 1986
PURPOSE: To test downdip extension of Hole 86-6
CORE RECOVERY: 96%

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY: DOC
CLAIM NO: DOC Claims
SECTION: 0+90NW
LOGGED BY: W. Gewargis
DATE LOGGED: September 1, 1986
DRILLING CO: Longyear Canada
ASSAYED BY: Acme Lab, Vancouver, B.C.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM(M)	FOOTAGE TO(M)	LENGTH (M)	ASSAYS Au oz/t	ASSAYS Ag oz/t
		gouge and clay.						
		From 88.7 - 89.1 possible major fault zone.						
		From 89.1 - 92.3m broken core						
		From 92.3 - 96m slightly broken core up to 10 cm in size.						
		From 96.2 - 97.6 light green to grey andesite with qtz veinlets up to few mm in width at 10° to core axis.	8204	96.2	97.6	1.4	0.016	0.070
		From 98.3 - 98.5m qtz veinlets (white) with trace of pyrite along the contact with qtz vein, few mm wide at low grade to core axis.						
		From 99.6 - 99.7m narrow qtz veinlet with trace of pyrite, chlorite.						
		From 100.6 - 101.4m qtz vein intermixed with dark grn andesite with disseminated pyrite, fine-medium grained, bright yellow in color, pyrite up to 5%.	8205	100.6	101.4	0.8	0.011	0.10
		From 100.4 - 102.3m, cave at 102.3 and missing core at 0.4m.						
		From 103.8m - 104.2m narrow qtz veinlet up to 5 - 10% qtz veinlet with trace of pyrite.						
		From 107.3 - 108.7m broken core						
		From 108.8 - 108.9 qtz veinlet with dark brown alteration, trace of Py, chlorite and epidotite. Qtz veinlet at 65° - 70° to core axis.	8206	108.8	109.4	0.6	0.007	0.02
		From 109.7 - 121.9m dark grn - fine-grained andesite with small, narrow qtz veinlets at 75° - 85° to core axis with section of light						

LOCATION: South Unuk River, B.C.

DRILL HOLE LOG

HOLE No. 86-7 | PAGE NO. 6 of 7

AZIM: 215° | ELEV: 1234m
DIP: -75° | LENGTH: 138.7m
CORE SIZE: BQ
STARTED: August 31, 1986
COMPLETED: September 3, 1986
PURPOSE: To test downdip extension of Hole 86-6
CORE RECOVERY:

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY: DOC
CLAIM NO: DOC Claims
SECTION: 0+90NW
LOGGED BY: W. Gewargis
DATE LOGGED: September 3, 1986
DRILLING CO: Longyear Canada
ASSAYED BY: Acme Lab, Vancouver, B.C.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM(M)	FOOTAGE TO(M)	LENGTH (M)	ASSAYS Au oz/t	Ag oz/t				
		green - grey with epidotite mainly from 116.5 - 116.6m, 117.1 - 117.3m										
		Trace of pyrite mineralization throughout the following intervals with broken core, gouge, mainly from 113.7 - 114.4m, with gouge at 114.2m, 115.8 - 116.4m, 118.9 - 121.0m, 121.9 - 122.5m										
		Section of 118.9m - 121m possible fault zone with qtz veinlet, epidotite at 118.7m at 35° to core axis.										
		At 122.4m broken core with disseminated pyrite.										
121.9	128.3m	Andesite light green - grey with qtz and epidotite veinlets throughout this section. qtz up to 15% with increase in this amount from 127.4 - 128.3m, (close to mineralized vein). Slightly fractured with small section of broken core with gouge from 126.8 to 127.6m increase in epidotite from 125.9 - 126.0m.										
128.3	133.6	Qtz vein (mineralized zone).	8207	127.8	128.3	0.5	0.003	0.06				
		Massive - milky - white qtz vein with section of massive - coarse grained pyrite, intersected within this zone mainly at 128.7 - 129.0m with dark brown alteration. (limonitic) and slightly fractured.	8208	128.3	129.2	0.9	0.094	0.26				
			8209	129.2	129.8	0.6	0.014	0.07				
			8210	129.8	130.2	0.4	0.006	0.05				
			8211	130.2	130.5	0.3	0.934	3.21				
			8212	130.5	131.4	0.9	0.364	1.20				
		From 130.3 - 130.5m massive pyrite and trace of chalcopyrite, hematite at 30° to core axis.	8213	131.4	131.9	0.5	0.760	2.36	0.363 oz/t Au			
			8214	131.9	132.4	0.5	0.072	0.19	1.17 oz/t Ag			
		From 131.6 - 132.1m massive - coarse grained pyrite mineralization.	8215	132.4	133.2	0.8	0.212	0.64	over 3.4			
			8216	133.2	133.6	0.4	0.110	0.38				

DRILL HOLE LOG

LOCATION: South Unuk River, B.C.

HOLE No. 86-7 | PAGE NO. 7 of 7

AZIM: 215° | ELEV: 1234m
DIP: -75° | LENGTH: 138.7m
CORE SIZE: BQ
STARTED: August 31, 1986
COMPLETED: September 3, 1986
PURPOSE: To test downdip extension of Hole 86-6
CORE RECOVERY: 96%

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY: DOC
CLAIM NO: DOC Claim
SECTION: 0+90NW
LOGGED BY: W. Gewargis
DATE LOGGED: September 3, 1986
DRILLING CO: Longyear Canada
ASSAYED BY: Acme Lab, Vancouver, B.C.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM(M)	FOOTAGE TO(M)	LENGTH (M)	ASSAYS Au oz/t	ASSAYS Ag oz/t
		From 132.4 - 133.2m fine grained pyrite.						
		From 129.2 - 130.4m light gry - qtz veinlet throughout, silicified andesite with disseminated pyrite and section of dark brown alteration mainly from 129.2 - 129.8m. Qtz veinlet at 10° - 20° to core axis.						
		From 130.5 - 131.4m milky - white qtz vein with scattered coarse grained pyrite and dark grn stain (malacite) at 131.1m.						
133.6	138.7m	Silicified Andesite. Light grn - gryish, fine grained andesite with qtz veinlet with scattered fine-disemminate pyrite mineralization	8217	133.6	134.5	0.9	0.016	0.14
			8218	134.5	135.9	1.4	0.004	0.07
			8219	135.9	137.2	1.3	0.026	0.11
			8220	137.2	137.8	0.6	0.656	2.13
		From 137.4 - 137.6m white qtz vein with disseminated pyrite up to 10-15% and dark grn alteration (limonitic).	8221	137.8	138.5	0.7	0.048	0.16
			8222	138.5	138.7	0.2	0.006	0.05
		From 138.0 - 138.6m qtz veinlets, white in color with disseminated pyrite.						
		From 138 - 138.7m major fault zone with broken core, gouge (cave). Very bad ground.						
		End of Hole at 138.7						

GEWARGIS GEOLOGICAL CONSULTING INC.

DDH NO. 86-8

DIAMOND DRILL RECORD

LOCATION: South Unuk River, B.C. "DOC Property"

COLLAR	Northing	3+00NW
	Easting	---
	Elevation	1237m
DRILLED	Azimuth	194°
	Dip	-45°
	Depth	72.8m
Da·Mo·Yr·	Started	September 4, 1986
	Completed	September 6, 1986
	Logged	September 5, 1986
EQUIPMENT	Machine	Longyear Super 38
	Core Size	BQ
	Dip Tests	

REMARKS: Core recovery 93%

From 59 - 60.9m qtz vein. mineralized zone with scattered pyrite mineralization. Light brown alteration, oxidization and limonite.

PURPOSE: To test the north extension of Q-17 - Q-22 vein system.

RESULTS: From 59.0 - 61.0m assayed 0.313 oz/ton Au, 1.17 oz/ton Ag.
OR 60.0 - 60.6m assayed 0.988 oz/ton Au, 3.18 oz/ton Ag.

GEOLOGIST: W. Gewargis Da·Mo·Yr December, 1986

DRILL HOLE LOG

LOCATION: South Unuk River, B.C.

HOLE No. 86-8 | PAGE NO. 1 of 3

AZIM: 194° | ELEV: 1237m

DIP: -45° | LENGTH: 72.8m

CORE SIZE: BQ

STARTED: September 4, 1986

COMPLETED: September 6, 1986

PURPOSE: To test north extension of Q-17, Q-22 veins

CORE RECOVERY: 93%

PROPERTY: DOC

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

CLAIM NO: DOC Claims

SECTION: 3+00NW

LOGGED BY: W. Gewargis

DATE LOGGED: September 5, 1986

DRILLING CO: Longyear Canada

ASSAYED BY: Chemex Lab, Vancouver, B.C.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM(M)	FOOTAGE TO(M)	LENGTH (M)	ASSAYS Au oz/t	ASSAYS Ag oz/t
0	2.7m	Casing: 0.3m core recovered mainly andesite and granitic						
2.7	6.3m	Andesite: dark grn, fine grained slightly fractured and broken core throughout this unit mainly from 2.7 to 3.3m and 4.0 - 6.1m.						
		From 3.3 - 3.9m narrow section of light gry - grn (cherty unit)						
6.3	9.1	Cherty andesite: gry-grn in color, laminated in part, lamination at 80° - 90° to core axis. slightly fractured and broken core mainly from 7.9 - 8.8m.						
9.1	22m	Andesite: dark green, fine-grained slightly laminated, fractured and broken core mainly from 11.7 - 16.9m (fault zone) and from 17.5 - 18.2m, 20.4 - 22m fault with gouge at 21.5m.						
22	59.0m	Cherty Andesite: light green - grey, fine-grained, laminitic, slightly fractured with small interval of broken core mainly from 23.0 - 23.4m, 27.4 - 27.5m, 30.7 - 31.2m, fine ground mass consisting of biotite with scattered qtz veinlets						
		Foliation at 22.9m - 40° to core axis						
		At 28.3m - 85° to core axis						
		At 33.3 - 55° to core axis						
		At 36.5 - 85° to core axis.						
		Small sections of slump structure (sediment structure) within this interval mainly from 22.5						

DRILL HOLE LOG

LOCATION: South Unuk River, B.C.

HOLE No. 86-8

AZIM: 194°
DIP: -45°
ELEV: 1237m
LENGTH: 72.8m
CORE SIZE: BQ
STARTED: September 4, 1986
COMPLETED: September 6, 1986
PURPOSE: To test north extension of Q-17, Q-22 veins
CORE RECOVERY: 93%

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY: DOC
CLAIM NO: DOC Claims
SECTION: 3+00NW
LOGGED BY: W. Gewargis
DATE LOGGED: September 5, 1986
DRILLING CO: Longyear Canada
ASSAYED BY: Chemex Lab, Vancouver, B.C.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM(M)	FOOTAGE TO(M)	LENGTH (M)	ASSAYS Au oz/t	ASSAYS Ag oz/t
		- 23m, 24 - 24.6m, 25.7 - 26.2m, 27 - 27.2m, 28 - 28.6m, 34.1 - 34.7m.						
		From 30 - 30.7m qtz veinlet with trace of pyrite	8223	30	30.7	0.7	0.004	0.01
		From 31.4 - 31.5m qtz veinlet with trace of pyrite						
		From 35.1 - 35.9m silicified qtz, light gry with trace of pyrite	8224	31.3	31.6	0.3	0.002	0.01
		At 35.1 contact angle at -45° to core axis and at 35.9m - 70° to core axis.	8225	35.1	35.9	0.8	0.002	0.05
		From 40.5 - 42.0m light brown, oxidized limonitic zone, slightly fractured with pyrite mineralization.	8226	40.5	42.0	1.5	0.002	0.05
		Foliation at 40.7 - 80° to core axis						
		At 42.0m - 75° to core axis.	8227	46.5	47.0	0.5	0.002	0.02
		From 46.5 - 48.0m section of greyish - white, fine-grain cherty unit with trace of pyrite mineralization.	8228	47.0	48.4	1.4	0.002	0.05
		From 46.7 - 47.1m brown alteration.						
		From 47.5 - 47.7 greyish alteration, fine-grained.						
		From 48.0 - 49.0m light grey - green andesite intermixed with the cherty unit.						
		From 49.0 - 51.0m white - greyish alteration, fine-grained with fine foliation.						
		From 50.4 - 50.8m broken core with light-brown alteration.						
		From 49.3 - 59m white - greyish cherty unit with section of brown alteration slightly fractured and broken core mainly from 51.8 - 51.9m and						

DRILL HOLE LOG

LOCATION: South Unuk River, B.C.

HOLE No. 86-8 | PAGE NO. 3 of 3

AZIM: 194° | ELEV: 1237m

DIP: -45° | LENGTH: 72.8m

CORE SIZE: BQ

STARTED: September 4, 1986

COMPLETED: September 6, 1986

PURPOSE: To test north extensions of Q-17, Q-22 veins

CORE RECOVERY: 93%

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY: DOC

CLAIM NO: DOC Claim

SECTION: 3+00NW

LOGGED BY: W. Gewargis

DATE LOGGED: September 5, 1986

DRILLING CO: Lonyear Canada

ASSAYED BY: Chemex Lab, Vancouver, B.C.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM(M)	FOOTAGE TO(M)	LENGTH (M)	ASSAYS Au oz/t	ASSAYS Ag oz/t	
		from 54 - 54.9m	8229	54	54.9	0.9	0.002	0.07	
		From 54.4 - 59m major fault with broken core, from few mm to 5 cm in size, foliation of fracture at 57.7m is parallel to core axis.							
54	60.9m	Qtz vein (mineralized zone): white - milky fine-grained qtz vein with scattered sulphide mainly pyrite.							
		From 59 to 59.4m light-brown, oxidized, limonitic, slightly fractured with trace of pyrite and 0.1m core missing with stringers of pyrite within this section.							
		From 60.1 - 60.5m highly oxidized qtz vein with massive pyrite mineralization.	8230	57.8	59.0	1.2	0.002	0.01	
		From 59.4 to 60.3m, 0.1m core missing and from	8231	59.0	59.4	0.4	0.003	0.06	
		60.3 - 60.9m, 0.2m core missing with badly	8232	59.4	60.0	0.6	0.004	0.08	
		broken core.	8233	60.0	60.6	0.6	0.998	3.18	0.313 oz/t Au.
			8234	60.6	61.0	0.4	0.060	0.18	1.17 oz/t Ag
		From 60.5 - 60.9 only 0.2m recovered. Slightly	8235	61.0	61.4	0.4	0.020	0.15	over 2.0m
		fractured, qtz veinlet with stringer of pyrite.	8236	61.4	62.1	0.6	0.008	0.13	
			8237	62.1	63.1	1.0	0.002	0.03	
60.9	62.1m	Silicified andesite: with qtz veinlet, light grey with dark-brown alteration mainly from 61.5 - 62.1m and this could be part of the vein system.							
62.1	72.8m	Andesite: dark green andesite, fine grained with stringer of epidotite and qtz veinlets.							
		Broken core from 66.2 - 66.7m, 69.4 - 71.7m laminated to massive qtz veinlet at 75° - 80° to core axis.							

End of Hole at 72.8m

GEWARGIS GEOLOGICAL CONSULTING INC.

DDH NO. 86-9

DIAMOND DRILL RECORD

LOCATION: South Unuk River, B.C. "DOC Property"

COLLAR
- Northing: 8+00SE
- Easting: ---
- Elevation: 1228m

DRILLED
- Azimuth: 265°
- Dip: -60°
- Depth: 49.4m

Da·Mo·Yr·
- Started: September 7, 1986
- Completed: September 8, 1986
- Logged: September 8, 1986

EQUIPMENT
- Machine: Longyear Super 38
- Core Size: BQ
- Dip Tests:

REMARKS: Core recovery 92%

From 34.5 - 46.7m qtz vein, mineralized zone with light brown oxidization and alteration with scattered pyrite and stringers of specularite

PURPOSE: To test southeast extension of Q-17 - Q-22 vein system in location of Trench #6 and Trench #9.

RESULTS: From 35.8 - 36.4m assayed 0.574 oz/ton Au, 1.03 oz/ton Ag, from 43.5 - 43.8m assayed 0.270 oz/ton, 0.61 oz/ton Ag and from 45.7 - 47.2m assayed 0.598 oz/ton Au, 0.78 oz/ton Ag.

GEOLOGIST: W. Gewargis — Da·Mo·Yr: December, 1986

DRILL HOLE LOG

LOCATION: South Unuk River, B.C.

HOLE No. 86-9 | PAGE NO. 1 of 3

AZIM: 265° | ELEV: 1228m

DIP: -60° | LENGTH: 49.4m

CORE SIZE: BQ

STARTED: September 7, 1986

COMPLETED: September 8, 1986

PURPOSE: To test Trench #6 and Tench #9

CORE RECOVERY: 92%

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY: DOC

CLAIM NO: DOC Claims

SECTION: 8+00SE

LOGGED BY: W. Gewargis

DATE LOGGED: September 8, 1986

DRILLING CO: Longyear, Canada

ASSAYED BY: Chemex Lab, Vancouver, B.C.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM(M)	FOOTAGE TO(M)	LENGTH (M)	ASSAYS Au oz/t	ASSAYS Ag oz/t
0	1.8m	Casing: No core recovery.						
1.8	24.1m	Andesite: Light to dark grn, fine grained, slightly fractured with scattered narrow qtz veinlets throughout this section.						
		Section of light brown alteration, oxidized, intermixed within this unit mainly from 4.9 - 5.6m, slightly fractured within qtz veinlets at 65° - 70° to core axis with trace of pyrite.						
		From 7.4 - 9.5m slightly fractured and broken core with gouge at 7.9m, with qtz veinlets and trace of pyrite.						
		Broken core and possible fault zone From 1.8 - 5.2m, 60.0 - 8.8m, 12.6 - 18.7m with gouge at 15.5, 18.4m (fault zone from 15.0 - 18.7m) at 25° to core axis. 23.2 - 23.4m and 23.8 - 24.1m.						
24.1	34.5m	Altered andesite: light green - grey, broken core, fine-grained fault zone and broken core from 24.1 - 25.9m, 29.5 - 33.3m						
		This interval consists of slightly brown-greyish-green altered zone with qtz veinlet and trace of pyrite - specularite mainly from 28.1 - 28.6m	8238	25.9	26.4	0.5	0.010	0.08
		25.9 - 26.4m, 29.1 - 29.6, 32 - 34.5m.	8239	28.1	28.6	0.5	0.008	0.03
			8240	29.1	29.5	0.4	0.008	0.07

DRILL HOLE LOG

LOCATION: South Unuk River, B.C.

HOLE No. 86-9 | PAGE NO. 2 of 3

AZIM: 265° | ELEV: 1228m

DIP: -60° | LENGTH: 49.4m

CORE SIZE: BQ

STARTED: September 7, 1986

COMPLETED: September 8, 1986

PURPOSE: To test Trench #6 and Trench #9

CORE RECOVERY: 92%

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY: DOC

CLAIM NO: DOC Claims

SECTION: 8+00SE

LOGGED BY: W. Gewargis

DATE LOGGED: September 8, 1986

DRILLING CO: Longyear Canada

ASSAYED BY: Chemex Lab, Vancouver

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM (M)	FOOTAGE TO (M)	LENGTH (M)	ASSAYS Au oz/t	ASSAYS Ag oz/t	
34.5	46.7m	Qtz vein (mineralized zone): milky white - light	8241	32.0	33.0	1.0	0.002	0.48	
		brown fine grained qtz slightly fractured and	8242	33.0	33.6	0.6	0.002	0.08	
		oxidized with scattered disseminated - massive	8243	33.6	34.5	0.9	0.012	0.13	
		to stringer of specularite. Broken core in small	8244	34.5	35.1	0.6	0.044	0.23	
		sections, mainly from 43.5 - 44.2m where caving	8245	35.1	35.8	0.7	0.003	0.06	
		occurs at 43.5m fault at 30° to core axis.	8246	35.8	36.4	0.6	0.574	1.03	
			8247	36.4	37.4	1.0	0.032	0.03	
		At 44.2m cave within dark green andesite.	8248	37.4	38.4	1.0	0.010	0.03	
			8249	38.4	39.7	1.3	0.014	0.03	
		10 - 15% oxidized zone, altered brown, throughout	8250	39.7	41.1	1.4	0.010	0.05	
		this zone and section of mineralization mainly	8251	41.1	42.4	1.3	0.014	0.07	
		from 34.5 - 35.1m, 35.8 - 36.4m with section of	8252	42.4	43.5	1.1	0.012	0.05	
		good pyrite mineralization mainly at 36.4m.	8253	43.5	43.8	0.3	0.270	0.61	
		From 38.4 - 39.7m specularite stringer at 30° to	8254	43.8	44.6	0.8	0.040	0.04	
		core axis few mm in size.	8255	44.6	45.7	1.1	0.096	0.06	0.598 oz/t Au, 0.78 oz/t Ag
		From 39.7 - 42.4m light brown, intermixed zone of	8256	45.7	46.7	1.0	0.844	0.82	across 1.5m
		light brown oxidized zone with qtz vein, moder-	8257	46.7	47.2	0.5	0.106	0.71	
		ately fractured at low ange to core axis with							
		scattered patch of qtz with trace of pyrite.							
		At 41.1m - narrow specularite stringer few mm in							
		width at 43° to core axis 10% qtz veinlet.							
		From 42.4 - 46.7m white qtz vein with slightly							
		oxidized - brown alteration with disseminated							
		to massive sulphide mainly from 43.5 - 43.6m and							
		from 45.8 - 46.7m.							
46.7	47.2m	Dark brown, oxidized zone: fractured and broken							
		core with gouge, with qtz veinlets.							

DRILL HOLE LOG

LOCATION: South Unuk River, B.C.

HOLE No. 86-9

AZIM: 265°

DIP: -60°

ELEV: 1228m

LENGTH: 49.4m

CORE SIZE: BQ

PROPERTY: DOC

STARTED: September 7, 1986

COMPLETED: September 8, 1986

PURPOSE: To test Trench #6 and Trench #9

CORE RECOVERY: 92%

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

CLAIM NO: DOC Claims

SECTION: 8+00SE

LOGGED BY: W. Gewargis

DATE LOGGED: September 8, 1986

DRILLING CO: Longyear Canada

ASSAYED BY: Chemex Lab, Vancouver

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM (M)	FOOTAGE TO (M)	LENGTH (M)	ASSAYS Au oz/t	ASSAYS Ag oz/t
47.2	49.4m	Andesite: light green, fine grained, slightly fractured and broken core, poor core recovery from 47.2 - 48.5m.						
		End of Hole at 49.4m.						

GEWARGIS GEOLOGICAL CONSULTING INC.

Gewargis Geological Consulting Inc.

DDH NO. 86-10

DIAMOND DRILL RECORD

Page 1 / 1

LOCATION: South Unuk River, B.C. "DOC Property"

COLLAR	Northing	8+00SE
	Easting	---
	Elevation	1228m
DRILLED	Azimuth	265°
	Dip	-45°
	Depth	34.4m
Da·Mo·Yr·	Started	September 8, 1986
	Completed	September 8, 1986
	Logged	September 9, 1986
EQUIPMENT	Machine	Longyear Super 38
	Core Size	BQ
	Dip Tests	

REMARKS: Core recovery 93%

From 25.3 - 30.9m qtz vein, mineralized zone slightly fractured and broken core with dark brown alteration and disseminated pyrite.

PURPOSE: To test southeast extension of Q-17 - Q-22 vein system in location of Trench #6 and Trench #9

RESULTS: From 25.6 - 30.9m assayed 0.459 oz/ton Au, 2.17 oz/ton Ag.

GEOLOGIST: W. Gewargis — Da·Mo·Yr: December, 1986

DRILL HOLE LOG

LOCATION: South Unuk River, B.C.

HOLE No. 86-10 | PAGE NO. 1 of 2

AZIM: 265° | ELEV: 1228m

DIP: -45° | LENGTH: 34.4m

CORE SIZE: BQ

STARTED: September 8, 1986

COMPLETED: September 8, 1986

PURPOSE: To test upper dip extension of Hole 86-9 below Trench #9.

CORE RECOVERY: 93%

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY: DOC

CLAIM NO: DOC Claim

SECTION: 8+00SE

LOGGED BY: W. Gewargis

DATE LOGGED: September 9, 1986

DRILLING CO: Longyear Canada

ASSAYED BY: Chemex Lab, Vancouver, B.C.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM(M)	FOOTAGE TO(M)	LENGTH (M)	ASSAYS Au oz/t	ASSAYS Ag oz/t
0	2.1m	Casing: No core recovered						
2.1	22.5m	Andesite: light to dark green, fine grained, slightly fractured with scattered narrow, qtz - epidotite throughout this section at 70° - 85° to core axis. Some foliation, light grey - green color mainly from 5.1 - 5.6m at low angle to core axis, 13.7 - 14.1m at 10° to core axis. 14.8 - 15.5m at 40° to core axis.						
		6.7 - 72.m qtz veinlet with pyrite 55° to core axis.						
		At 8.8m trace of galena in small veinlets, fractured at 25° to core axis.						
		From 9.9 - 10.3m light brown alteration with pyrite trace.						
		18.5 - 19.0m altered material						
		20.4 - 20.7m altered material with pyrite mineralization						
		21.2 - 21.5m light brown alteration material with qtz veinlets at 20° to core axis.	8258	21.2	21.5	0.3	0.036	0.44
22.5	25.3m	Shear zone: light grey to brown altered, with broken core and scattered qtz veinlets up to 10% at 23.3m. At 22.5m contact zone - 35° to core axis. Broken core from 23.6 - 24.7m highly sheared zone at low angle at core axis qtz veinlets with pyrite.						

GEWARGIS GEOLOGICAL CONSULTING INC.

DRILL HOLE LOG

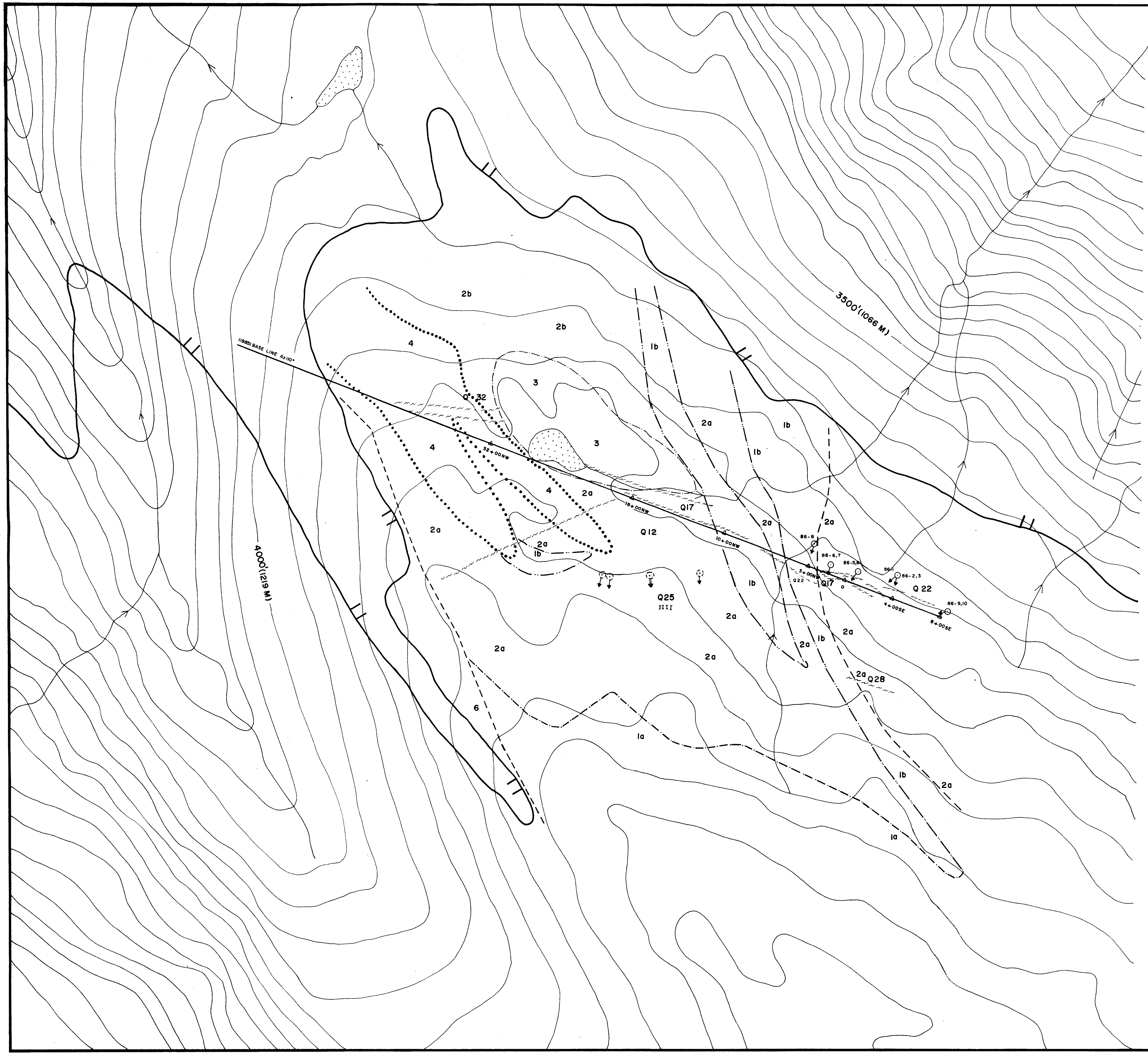
LOCATION: South Unuk River, B.C.		HOLE No. 86-10	PAGE NO. 2 of 2
AZIM: 265°	ELEV: 1228m	PROPERTY: DOC	
DIP: -45°	LENGTH: 34.4m		
	CORE SIZE: BQ		
STARTED: September 8, 1986		CLAIM NO: DOC Claim	
COMPLETED: September 8, 1986		SECTION: 8+00SE	
PURPOSE: To test upper dip extension of Hole 86-9 below Trench #9		LOGGED BY: W. Gewargis	
		DATE LOGGED: September 9, 1986	
CORE RECOVERY: 93%		DRILLING CO: Longyear Canada	
		ASSAYED BY: Chemex Lab, Vancouver, B.C.	

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM(M)	FOOTAGE TO(M)	LENGTH (M)	ASSAYS Au oz/t	ASSAYS Ag oz/t	ASSAYS
25.3	30.9m	Qtz vein mineralized zone:	8259	24.4	25.3	0.9	0.012	0.07	
		From 25.3 to 25.7m highly sheared zone, light grey	8260	25.3	25.6	0.3	0.042	1.22	
		to dark brown slightly fractured and broken core	8261	25.6	26.0	0.4	0.304	4.72	
		with gouge at 25.6m and trace of pyrite.	8262	26.0	27.0	1.0	0.294	2.99	
			8263	27.0	27.8	0.8	0.194	1.65	
		From 25.7 to 30.9m qtz vein mineralized zone which	8264	27.8	29.2	1.4	0.590	1.23	0.459 oz/t Au, 2.17 oz/t Ag
		consists, in part, of highly altered material	8265	29.2	30.0	0.8	0.500	4.06	over 5.3m
		light brown to dark brown, with oxidized and	8266	30.0	30.9	0.9	0.712	0.35	
		limonitic and in part, it is white qtz slightly							
		altered with pyrite mineralization.							
		From 25.7 - 26.0m light grey, altered with fine							
		pyrite mineralization.							
		From 26.0 - 29.1m white qtz vein with moderate							
		brown alteration with fracture filling pyrite							
		mineralization mainly at 26.4m, 26.8 - 26.9m,							
		at 27.1, 27.9 - 28.0m and from 28.6 - 29.1m.							
		From 29.1 - 30.0m highly oxidized brown qtz vein,							
		moderately to highly fractured with pyrite							
		mineralization filling throughout section.							
		From 30.9 - 34.4m dark grn, fine grained andesite,							
		resembles two above sections.							
		Broken core from 31 to 32.3m and 33.5 to 34.2m.							
		End of Hole at 34.4m.							

GEWARGIS GEOLOGICAL CONSULTING INC.



LEGEND

6	Diorite
2a	Mafic Tuff-Agglomerate
1a	Felsic Tuff-Agglomerate
1b	Chert, Thin Bedded
2b	Massive Mafic Volcanic Rocks
3	Clastic Limestone
4	Granite & Quartz-Feldspar Porphyry
Q17,Q22	Quartz Vein With Py, Specularite
⊙	1948-1949 Diamond Drill Hole
⊙	86-6-1986 Diamond Drill Hole

GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,615

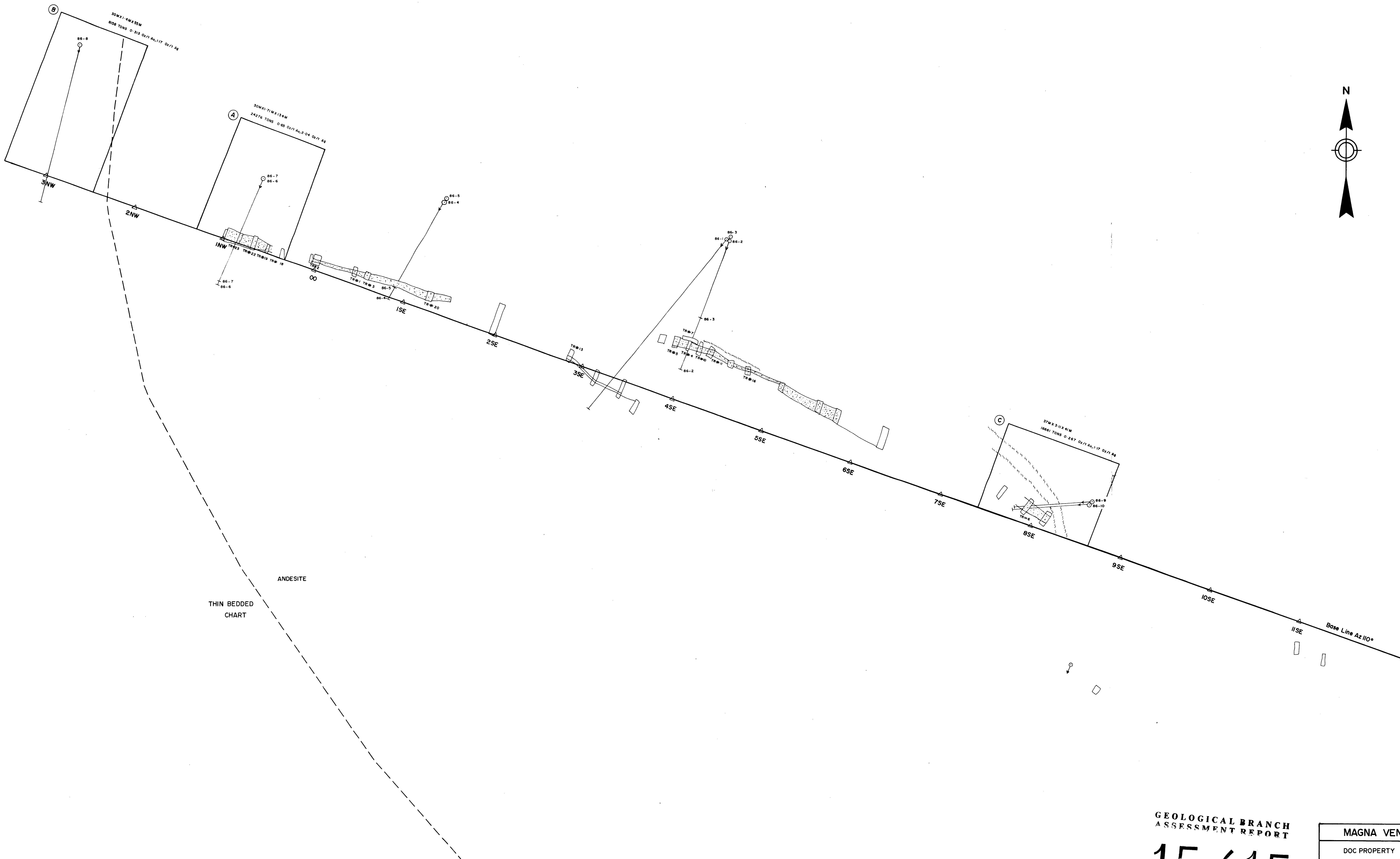
TO ACCOMPANY A REPORT BY:
WILSON GEWARGIS, B.Sc., F.G.A.C.
GEWARGIS GEOLOGICAL CONSULTING INC.

MAGNA VENTURES LTD.

DOC PROPERTY
SOUTH UNUK RIVER, B.C.
SKEENA MINING DIVISION
N.T.S. MAP-104B/8W

PROPERTY GEOLOGY MAP

SCALE: 1:5000	FIG: 4
DRAWN BY: D.G.	DATE: NOVEMBER, 1986



GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,615

0 10 20 30 40M

TO ACCOMPANY A REPORT BY:
WILSON GEWARGIS, B.Sc,. F.G.A.C.
GEWARGIS GEOLOGICAL CONSULTING INC.

MAGNA VENTURES LTD.	
DOC PROPERTY SOUTH UNUK RIVER, B.C. SKEENA MINING DIVISION N.T.S. MAP-104B/8W DRILL HOLES AND TRENCHES LOCATION AND ORE RESERVES MAP	
SCALE: 1:500	FIG: 5
DRAWN BY: D.G.	DATE: NOVEMBER, 1986

SE

NW

Overburden

Overburden

Overburden

Overburden

Cover & Snow

Q 22 VEIN

Q 17 VEIN

11SE

10SE

9SE

8SE

7SE

6SE

5SE

4SE

1SE

2SE

1NW

2NW

3NW

50M

0

50M

100M

150M

86-10
0·459 Oz/t Au } across
2·17 Oz/t Ag } 5·3M

86-9
0·598 Oz/t Au } across
0·78 Oz/t Ag } 1·5M

AREA TESTED IN PHASE #1
1986 DRILLING PROGRAM
TOTAL FOOTAGE DRILLED 83·8M(275Ft.)
TOTAL TONNAGE 16661 TONS
GRADE 0·267 Oz/t Au, 1·17 Oz/t Ag

86-2
0·002 Oz/t Au } across
0·001 Oz/t Ag } 3·6M
0·001 Oz/t Au } across
0·02 Oz/t Ag } 0·9M

86-1

86-3
0·156 Oz/t Au } across
0·81 Oz/t Ag } 1·6M

AREA TESTED IN PHASE #1
1986 DRILLING PROGRAM
TOTAL FOOTAGE DRILLED 285M(935Ft.)

86-4
0·023 Oz/t Au } across
0·145 Oz/t Ag } 3·2M

86-5
0·036 Oz/t Au } across
0·14 Oz/t Ag } 1·2M

AREA TESTED PHASE #1
1986 DRILLING PROGRAM
TOTAL FOOTAGE DRILLED 258·8M(849Ft.)

86-6
1·473 Oz/t Au } across
5·54 Oz/t Ag } 2·5M

86-7
0·363 Oz/t Au } across
1·17 Oz/t Ag } 3·4M

AREA TESTED IN PHASE #1
1986 DRILLING PROGRAM
TOTAL FOOTAGE DRILLED 212·8M(698Ft.)
TOTAL TONNAGE 24,171 TONS
GRADE 0·65 Oz/t Au, 2·04 Oz/t Ag

86-8
0·313 Oz/t Au } across
1·17 Oz/t Ag } 2·0M

AREA TESTED IN PHASE #1
1986 DRILLING PROGRAM
TOTAL FOOTAGE 72·8M(239Ft.)
TOTAL TONNAGE 8156 TONS
GRADE 0·313 Oz/t Au, 1·17 Oz/t Ag

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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0 10 20 30M

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SOUTH UNUK RIVER, B.C.
SKEENA MINING DIVISION
N.T.S. MAP-104B/8W
LONGITUDINAL SECTION OF STRUCTURE
NW - SE

SCALE:	FIG: 6
DRAWN BY: D. G.	DATE: NOVEMBER, 1986

NE

SE

TR#14 1·033 Oz/t Au - 7·0 Oz/t Ag

3·2M

SHEAR, LIMONITIC QUARTZ VEIN PY.

Surface

86-1, -50°

DK. GRN. AND.

0·001, 0·01

0·001, 0·01

CHLORITE ALT.

DK. GRN. AND.

0·001, 0·04

0·001, 0·02

0·001, 0·03

GOUGE

0·001, 0·01

OXIDIZED ZONE QTZ.

0·001, 0·01

0·001, 0·03

0·001, 0·01

OXIDIZED ZONE QTZ. HEMATITE

0·001, 0·04

0·001, 0·01

0·006, 0·11

0·001, 0·02

0·001, 0·03

0·002, 0·02

0·001, 0·01

0·001, 0·01

0·001, 0·01

QTZ. VEIN WITH SIL. AND.

0·001, 0·02

QTZ. VEIN OXD. TRACE PY.

0·001, 0·01

0·001, 0·01

0·001, 0·01

0·001, 0·02

0·001, 0·01

0·001, 0·03

0·001, 0·01

0·001, 0·01

0·001, 0·01

0·001, 0·02

0·001, 0·01

0·001, 0·01

0·001, 0·01

0·001, 0·02

0·001, 0·03

0·001, 0·01

0·001, 0·01

0·001, 0·01

0·001, 0·01

REDDISH ALT. GOUGE

GOUGE CLAY

GOUGE CLAY

SIL. AND.

DK. GRN. AND.

0·001, 0·01

0·002, 0·01

0·001, 0·02

TD 108·2M (355')

0

10M

20M

30M

40M

50M

60M

70M

80M

90M

100M

110M

LEGEND

0·001, 0·01

Oz/t Au, Oz/t Ag

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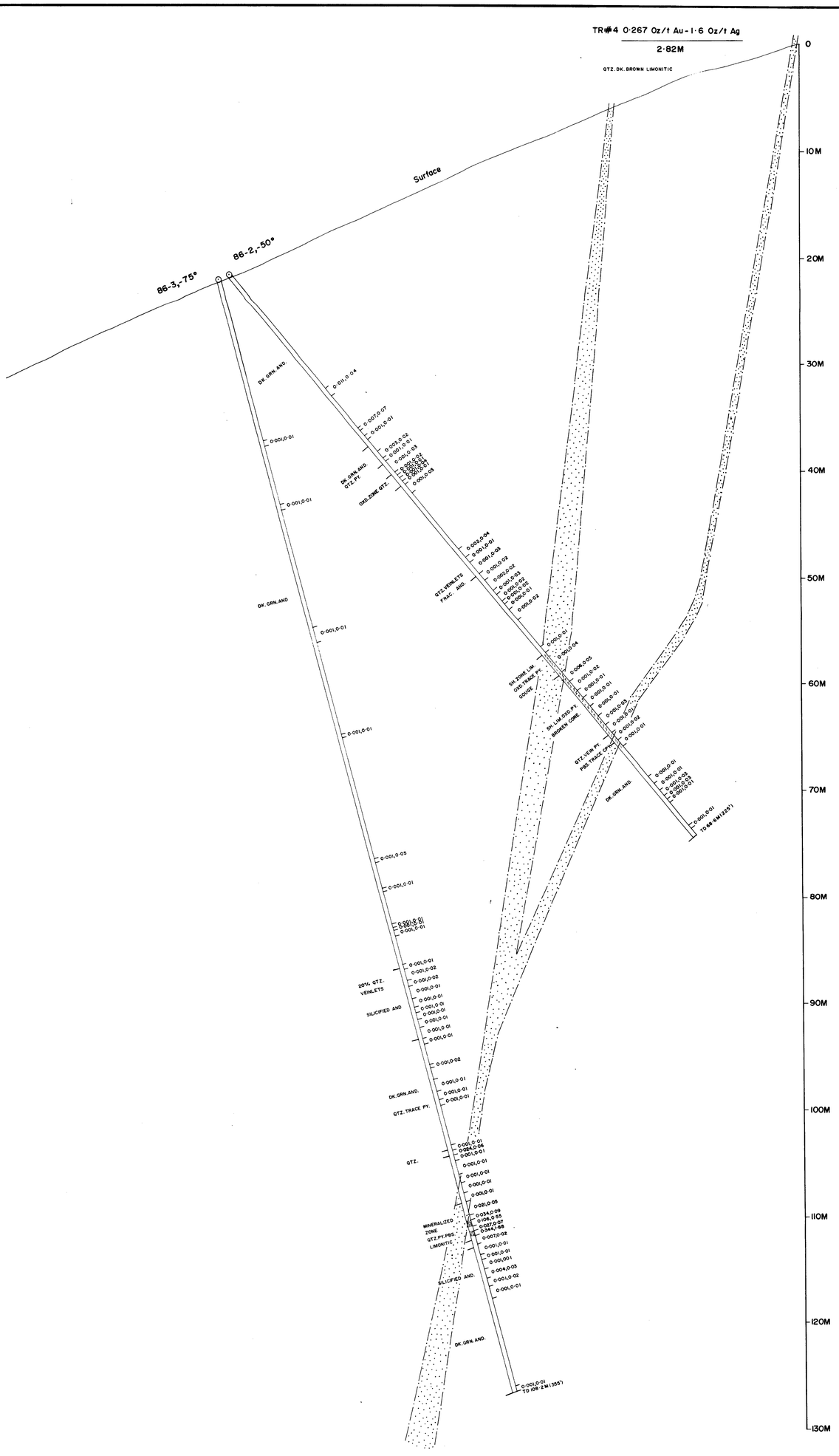
SKEENA MINING DIVISION
N.T.S. MAP - 104B/8W
SECTION 4+00SE
DIAMOND DRILL HOLE #86-1

SCALE: 1:200	FIG: 7
DRAWN BY: D.G.	DATE: NOVEMBER, 1986



GEOLOGICAL BRANCH
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LEGEND

0·011, 0·04
Oz/t Au, Oz/t Ag

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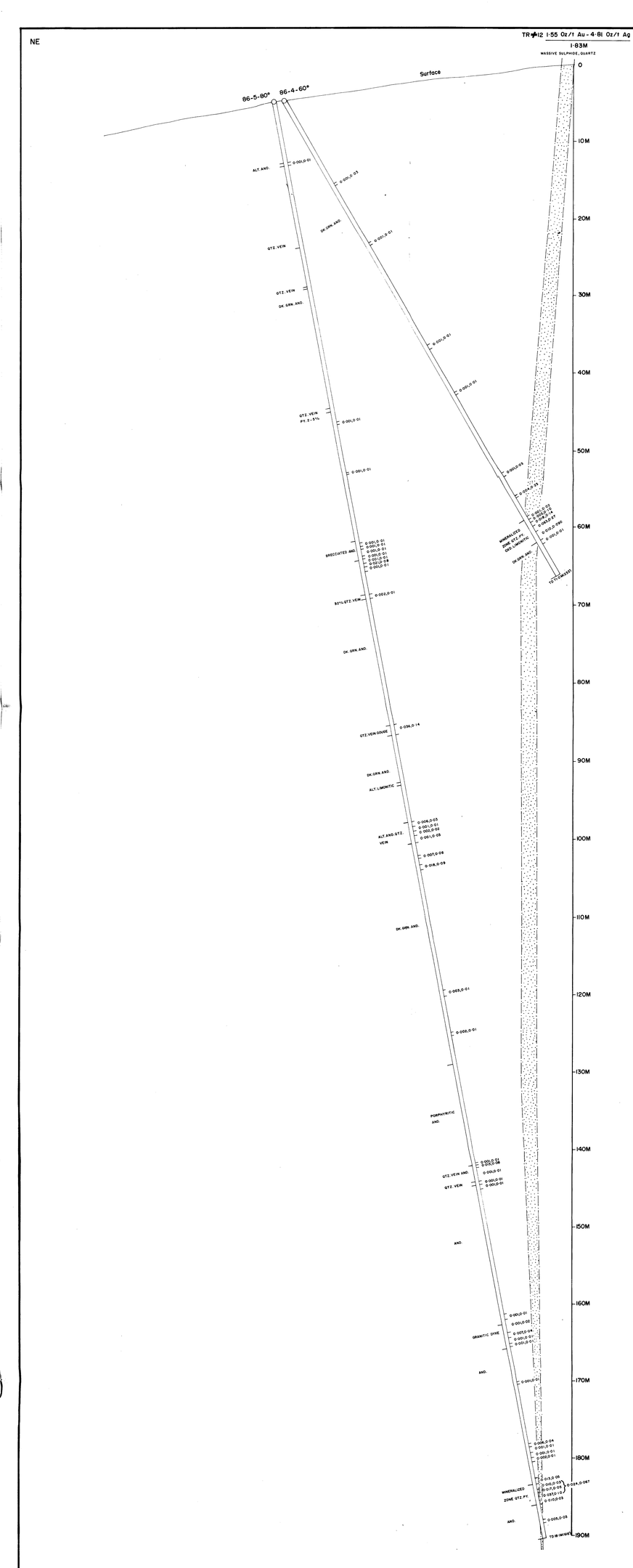
SKEENA MINING DIVISION
N.T.S. MAP-104B/8W
SECTION 4+00SE
DIAMOND DRILL HOLE #86-2, 86-3

SCALE: 1:200	FIG: 8
DRAWN BY: D.G.	DATE: NOVEMBER, 1986



LEGEND

0·013 , 0·08

Oz/t Au, Oz/t Ag

GEOLOGICAL BRANCH
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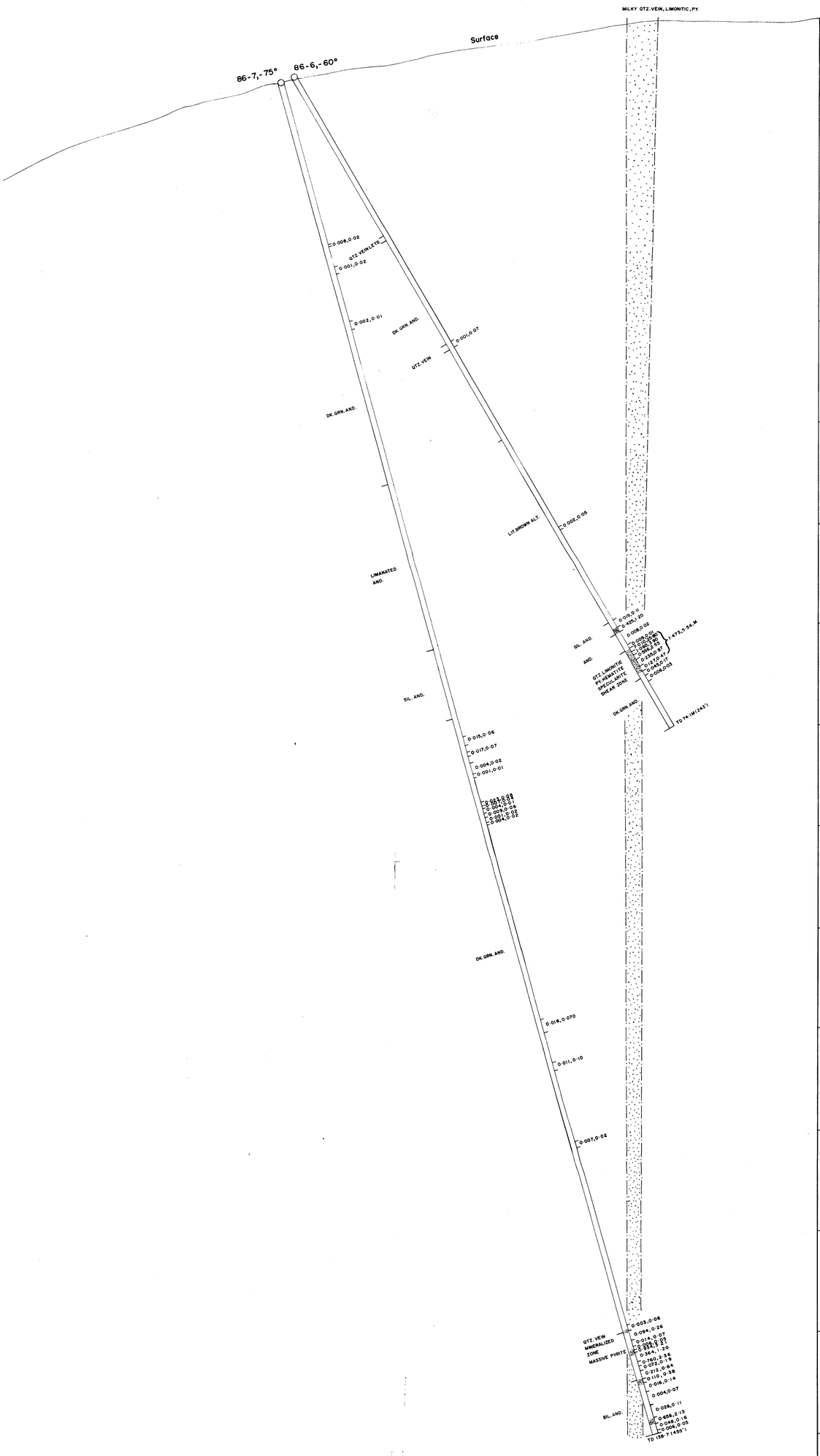
DOC PROPERTY
SOUTH UNUK RIVER, B.C.
SKEENA MINING DIVISION
N.T.S. MAP - 104B/8W
SECTION 0+85SE
DIAMOND DRILL HOLE + E

SCALE: 1:200	FIG
DRAWN BY: D. G.	DAT

NE

TR✚23 0·702 Oz/t Au - 2·58 Oz/t Ag

3·35 M



LEGEND

0·016,0·070

Oz/t Au, Oz/t Ag

GEOLOGICAL BRANCH
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MAGNA VENTURE

DOC PROPERTY

SOUTH UNUK RIVER, B.C.

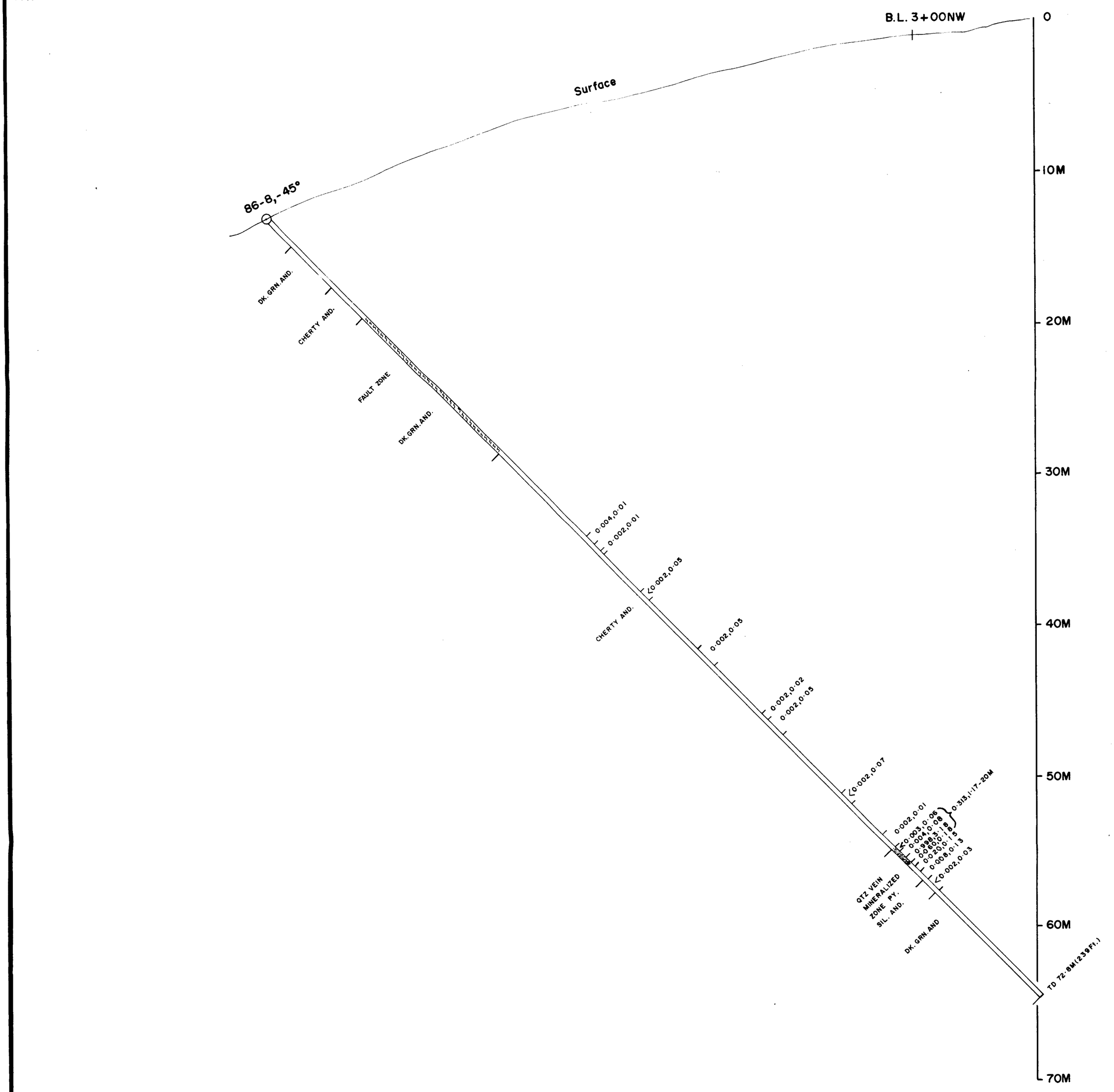
SKEENA MINING DIVISION

N.T.S. MAP-104B/8W

SECTION 0+90NW

DIAMOND DRILL HOLE ✚

SCALE: 1:200	F
DRAWN BY: D.G.	Da



LEGEND

0.004,0.01

Oz/t Au, Oz/t Ag

MAGNA VENTURES LTD.

DOC PROPERTY
SOUTH UNUK RIVER, B.C.
SKEENA MINING DIVISION
N.T.S. MAP-104B/8W
SECTION 3+00NW
DIAMOND DRILL HOLE # 86-8

SCALE: 1:200	FIG: 11
DRAWN BY: D.G.	DATE: NOVEMBER, 1986

TO ACCOMPANY A REPORT BY:
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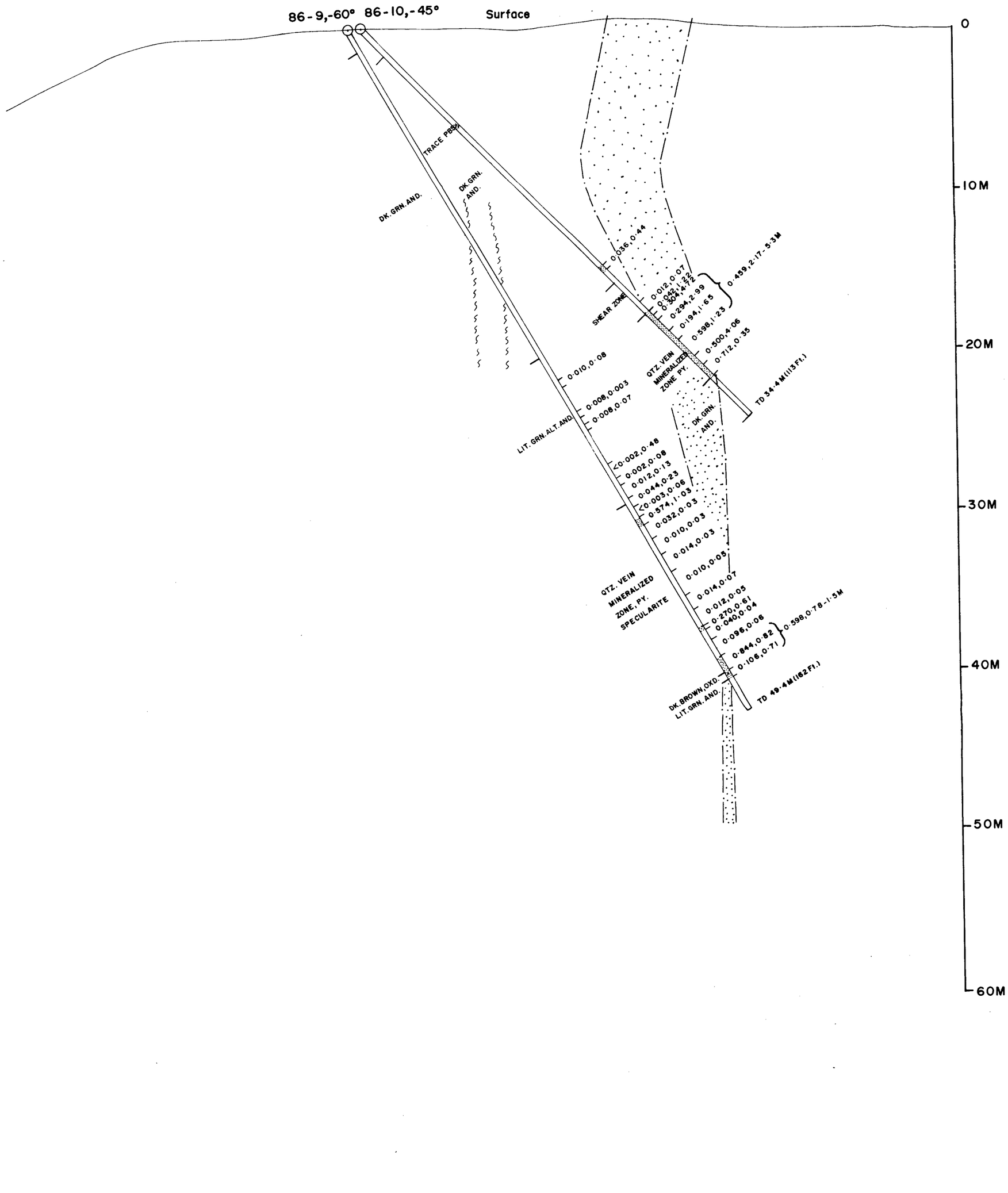
TR #6 0·145 Oz/t Au - 0·724 Oz/t Ag

3·96 M



LEGEND

0·010,0·08

Oz/t Au, Oz/t Ag

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ASSESSMENT REPORT

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SKEENA MINING DIVISION
N.T.S. MAP-104B/8W
SECTION 8+00SE
DIAMOND DRILL HOLE + 86-9, 86-10

SCALE: 1:200	FIG: 12
DRAWN BY: D. G.	DATE: NOVEMBER, 1986